Name	Description	Page No.	Reference Example	Page Links
[MA.912.AR.5.7:](#)	Solve and graph mathematical and real-world problems that are modeled with exponential functions. Interpret key features and determine constraints in terms of the context.	298-305	Graph Exponential Functions Solve Exponential Equations	https://wgdesigngroup.com/Pearson/precalc/298
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; constant percent rate of change; end behavior and asymptotes.	302	EXAMPLE 5	https://wgdesigngroup.com/Pearson/precalc/302
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	303-304	EXAMPLE 6	https://wgdesigngroup.com/Pearson/precalc/303
	Clarification 3 : Instruction includes understanding that when the logarithm of the dependent variable is taken and graphed, the exponential function will be transformed into a linear function.	305	EXAMPLE 8	https://wgdesigngroup.com/Pearson/precalc/305
	Clarification 4 : Within the Mathematics for Data and Financial Literacy course, problem types focus on money and business.	305	EXAMPLE 9	https://wgdesigngroup.com/Pearson/precalc/305
[MA.912.AR.5.9:](#)	Solve and graph mathematical and real-world problems that are modeled with logarithmic functions. Interpret key features and determine constraints in terms of the context.	315-320	Graph Logarithmic Functions	https://wgdesigngroup.com/Pearson/precalc/315
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior; and asymptotes.	316-318	EXAMPLE 6	https://wgdesigngroup.com/Pearson/precalc/316
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	318-319	EXAMPLE 7	https://wgdesigngroup.com/Pearson/precalc/318
[MA.912.AR.6.3:](#)	Explain and apply theorems for polynomials to solve mathematical and real-world problems.	214-225 229-234	The Real Zeros of a Polynomial Function Complex Zeros; Fundamental Theorem of Algebra	https://wgdesigngroup.com/Pearson/precalc/214
	Clarifications:			
	Clarification 1 : Theorems include the Factor Theorem and the Fundamental Theorem of Algebra.	216 230	FACTOR THEOREM Fundamental Theorem of Algebra	https://wgdesigngroup.com/Pearson/precalc/216
[MA.912.AR.6.4:](#)	Given a table, equation or written description of a polynomial function of degree 3 or higher, graph that function and determine its key features.	194	Graph Polynomial Functions Using Transformations	https://wgdesigngroup.com/Pearson/precalc/194
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; relative maximums and minimums; symmetry; and end behavior.	204	Problem 92	https://wgdesigngroup.com/Pearson/precalc/204
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	204	Problem 93	https://wgdesigngroup.com/Pearson/precalc/204
[MA.912.AR.6.6:](#)	Solve and graph mathematical and real-world problems that are modeled with polynomial functions of degree 3 or higher. Interpret key features and determine constraints in terms of the context.	205-210	The Graph of a Polynomial Function; Models	https://wgdesigngroup.com/Pearson/precalc/205
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; relative maximums and minimums; symmetry; and end behavior.	194-201	Identify the Real Zeros of a Polynomial Function and Their Multiplicity	https://wgdesigngroup.com/Pearson/precalc/194
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	203	Problem 61-72	https://wgdesigngroup.com/Pearson/precalc/203
[MA.912.AR.7.4:](#)	Solve and graph mathematical and real-world problems that are modeled with radical functions. Interpret key features and determine constraints in terms of the context.	A89-A90	Simplify Radicals Rationalize Denominators and Numerators Solve Radical Equations	https://wgdesigngroup.com/Pearson/precalc/1067
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior; and relative maximums and minimums.	100-101	Properties of $f(x) = $ Sq.root x Graphing the Cube Root Function	https://wgdesigngroup.com/Pearson/precalc/100
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	69-71	Find the Domain of a Function Defined by an Equation	https://wgdesigngroup.com/Pearson/precalc/69

MA.912.AR.8.3:	Solve and graph mathematical and real-world problems that are modeled with rational functions. Interpret key features and determine constraints in terms of the context.	236-244	Properties of Rational Functions	https://wgdesigngroup.com/Pearson/precalc/236
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior; and asymptotes.	236	EXAMPLE 1	https://wgdesigngroup.com/Pearson/precalc/236
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	236-237	Finding the Domain of a Rational Function	https://wgdesigngroup.com/Pearson/precalc/236
	Clarification 3 : Instruction includes using rational functions to represent inverse proportional relationships.	NA	NA	#VALUE!
	Clarification 4 : Within the Algebra 2 course, numerators and denominators are limited to linear and quadratic expressions.	NA	NA	#VALUE!
MA.912.AR.9.3:	Given a mathematical or real-world context, solve a system consisting of two-variable linear or non-linear equations algebraically or graphically.	755-761	Systems of Linear Equations: Substitution and Elimination	https://wgdesigngroup.com/Pearson/precalc/755
	Clarifications:			
	Clarification 1 : Within the Algebra 2 course, non-linear equations are limited to quadratic equations.	NA	NA	
MA.912.AR.9.10:	Solve and graph mathematical and real-world problems that are modeled with piecewise functions. Interpret key features and determine constraints in terms of the context.	105-107	Analyze a Piecewise-defined Function	https://wgdesigngroup.com/Pearson/precalc/105
	Clarifications:			
	Clarification 1 : Key features are limited to domain, range, intercepts, asymptotes and end behavior.	105-106	EXAMPLE 3	https://wgdesigngroup.com/Pearson/precalc/105
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	106-107	EXAMPLE 4	https://wgdesigngroup.com/Pearson/precalc/106
MA.912.AR.10.1:	Given a mathematical or real-world context, write and solve problems involving arithmetic sequences.	869-873	Arithmetic Sequences	https://wgdesigngroup.com/Pearson/precalc/869
	Examples: Tara is saving money to move out of her parent's house. She opens the account with $250 and puts $100 into a savings account every month after that. Write the total amount of money she has in her account after each month as a sequence. In how many months will she have at least $3,000?			
MA.912.AR.10.2:	Given a mathematical or real-world context, write and solve problems involving geometric sequences.	875-883	Geometric Sequences; Geometric Series	https://wgdesigngroup.com/Pearson/precalc/875
MA.912.AR.10.3:	Recognize and apply the formula for the sum of a finite arithmetic series to solve mathematical and real-world problems.	872	Finding the Sum of an Arithmetic Sequence	https://wgdesigngroup.com/Pearson/precalc/872
MA.912.AR.10.4:	Recognize and apply the formula for the sum of a finite or an infinite geometric series to solve mathematical and real-world problems.	878	Find the Sum of a Geometric Sequence	https://wgdesigngroup.com/Pearson/precalc/878
MA.912.AR.10.5:	Given a mathematical or real-world context, write a sequence using function notation, defined explicitly or recursively, to represent relationships between quantities from a written description.	858-859	List the Terms of a Sequence Defined by a Recursive Formula	https://wgdesigngroup.com/Pearson/precalc/858
MA.912.F.1.4:	Write an algebraic expression that represents the difference quotient of a function. Calculate the numerical value of the difference quotient at a given pair of points.	68-69	Find the Difference Quotient of a Function	https://wgdesigngroup.com/Pearson/precalc/68
	Clarifications:			
	Clarification 1 : Instruction focuses on making connections between difference quotients and slopes of lines.	NA	NA	
MA.912.F.1.7:	Compare key features of two functions each represented algebraically, graphically, in tables or written descriptions.	100-105	Graph the Functions Listed in the Library of Functions	https://wgdesigngroup.com/Pearson/precalc/100
	Clarifications:			
	Clarification 1 : Key features include domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior and asymptotes.	102-105	Library of Functions	https://wgdesigngroup.com/Pearson/precalc/102
MA.912.F.3.3:	Solve mathematical and real-world problems involving functions that have been combined using arithmetic operations.	71-73	Form the Sum, Difference, Product, and Quotient of Two Functions	https://wgdesigngroup.com/Pearson/precalc/71
MA.912.F.3.4:	Represent the composition of two functions algebraically or in a table. Determine the domain and range of the composite function.	274-276	Find the Domain of a Composite Function	https://wgdesigngroup.com/Pearson/precalc/274
MA.912.F.3.5:	Solve mathematical and real-world problems involving composite functions.	279	Cost of a Commodity	https://wgdesigngroup.com/Pearson/precalc/279

[MA.912.F.3.7:](#)	Represent the inverse of a function algebraically, graphically or in a table. Use composition of functions to verify that one function is the inverse of the other.	283-284 287-289	1. Determine the Inverse of a Function Defined by a Mapping or a Set of Ordered Pairs 2. Find the Inverse of a Function Defined by an Equation	https://wgdesigngroup.com/Pearson/precalc/283
	Clarifications:			
	Clarification 1 : Instruction includes the understanding that a logarithmic function is the inverse of an exponential function.	313-314	Change Exponential Statements to Logarithmic Statements and Logarithmic Statements to Exponential Statements	https://wgdesigngroup.com/Pearson/precalc/313
[MA.912.F.3.8:](#)	Produce an invertible function from a non-invertible function by restricting the domain.	281-283	Determine Whether a Function Is One-to-One	https://wgdesigngroup.com/Pearson/precalc/281
[MA.912.F.3.9:](#)	Solve mathematical and real-world problems involving inverse functions.	293	Vehicle Stopping Distance	https://wgdesigngroup.com/Pearson/precalc/293
[MA.912.GR.7.2:](#)	Given a mathematical or real-world context, derive and create the equation of a circle using key features.	48-49	Write the Standard Form of the Equation of a Circle	https://wgdesigngroup.com/Pearson/precalc/48
	Clarifications:			
	Clarification 1: Instruction includes using the Pythagorean Theorem and completing the square.	49	EXAMPLE 1	https://wgdesigngroup.com/Pearson/precalc/49
	Clarification 2: Within the Geometry course, key features are limited to the radius, diameter and the center.	NA	NA	
[MA.912.GR.7.1:](#)	Given a conic section, describe how it can result from the slicing of two cones.	681	Know the Names of the Conics	https://wgdesigngroup.com/Pearson/precalc/681
[MA.912.GR.7.3:](#)	Graph and solve mathematical and real-world problems that are modeled with an equation of a circle. Determine and interpret key features in terms of the context.	49 - 55	Know the Names of the Conics, Work with the General Form of the Equation of a Circle, Problem 55	https://wgdesigngroup.com/Pearson/precalc/49
	Clarifications:			
	Clarification 1 : Key features are limited to domain, range, eccentricity, center and radius.	53	3. Interactive Figure Exercise Exploring Circles I	https://wgdesigngroup.com/Pearson/precalc/53
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	63 - 64 A77	EXAMPLE 2 Use Interval Notation	https://wgdesigngroup.com/Pearson/precalc/63
	Clarification 3 : Within the Geometry course, notations for domain and range are limited to inequality and set-builder.			
[MA.912.GR.7.4:](#)	Given a mathematical or real-world context, derive and create the equation of a parabola using key features.	682 - 687	Analyze Parabolas with Vertex at the Origin, Analyze Parabolas with Vertex at (h,k)	https://wgdesigngroup.com/Pearson/precalc/682
[MA.912.GR.7.5:](#)	Graph and solve mathematical and real-world problems that are modeled with an equation of a parabola. Determine and interpret key features in terms of the context.	687 - 689	EXAMPLE 8, Solve Applied Problems Involving Parabolas	https://wgdesigngroup.com/Pearson/precalc/687
	Clarifications:			
	Clarification 1 : Key features are limited to domain, range, eccentricity, intercepts, focus, focal width (latus rectum), vertex and directrix.	685 - 686	EXAMPLE 6	https://wgdesigngroup.com/Pearson/precalc/685
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	689	10. Interactive Figure Exercise Exploring the Graph of a Parabola	https://wgdesigngroup.com/Pearson/precalc/689
[MA.912.GR.7.6:](#)	Given a mathematical or real-world context, derive and create the equation of an ellipse using key features.	693 - 699	Analyze Ellipses with Center at the Origin, Analyze Ellipses with Center at (h,k)	https://wgdesigngroup.com/Pearson/precalc/693
[MA.912.GR.7.7:](#)	Graph and solve mathematical and real-world problems that are modeled with an equation of an ellipse. Determine and interpret key features in terms of the context.	698 - 700	EXAMPLE 7, Solve Applied Problems Involving Ellipses	https://wgdesigngroup.com/Pearson/precalc/698
	Clarifications:			
	Clarification 1 : Key features are limited to domain, range, eccentricity, center, foci, major axis, minor axis and vertices.	700	EXAMPLE 9	https://wgdesigngroup.com/Pearson/precalc/700
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	701	9. Interactive Figure Exercise Exploring the Graph of an Ellipse	https://wgdesigngroup.com/Pearson/precalc/701
[MA.912.GR.7.8:](#)	Given a mathematical or real-world context, derive and create the equation of a hyperbola using key features.	712 - 714	Analyze Hyperbolas with Center at (h, k) Solve Applied Problems Involving Hyperbolas	https://wgdesigngroup.com/Pearson/precalc/712
[MA.912.GR.7.9:](#)	Graph and solve mathematical and real-world problems that are modeled with an equation of a hyperbola. Determine and interpret key features in terms of the context.	715-716	EXAMPLE 10	https://wgdesigngroup.com/Pearson/precalc/715
	Clarifications:			
	Clarification 1 : Key features are limited to domain, range, eccentricity, center, vertices, foci, transverse axis, conjugate axis, asymptotes and directrices.	714	EXAMPLE 9	https://wgdesigngroup.com/Pearson/precalc/714
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	719	Problem 90. Challenge Problem	https://wgdesigngroup.com/Pearson/precalc/719

MA.912.NSO.2.2:	Represent addition, subtraction, multiplication and conjugation of complex numbers geometrically on the complex plane.	627 - 631	Plot Points in the Complex Plane, Convert a Complex Number between Rectangular Form and Polar Form or Exponential Form, Find Products and Quotients of Complex Numbers	https://wgdesigngroup.com/Pearson/precalc/627
MA.912.NSO.2.3:	Calculate the distance and midpoint between two numbers on the complex coordinate plane.	628	EXAMPLE 1	https://wgdesigngroup.com/Pearson/precalc/628
MA.912.NSO.2.4:	Solve mathematical and real-world problems involving complex numbers represented algebraically or on the coordinate plane.	636	Problem 74	https://wgdesigngroup.com/Pearson/precalc/636
MA.912.NSO.2.5:	Represent complex numbers on the complex plane in rectangular and polar forms.	628 - 629	Convert a Complex Number between Rectangular Form and Polar Form or Exponential Form	https://wgdesigngroup.com/Pearson/precalc/628
	Clarifications:			
	Clarification 1: Instruction includes explaining why the rectangular and polar forms of a given complex numbers represent the same number.	628 - 630	Convert a Complex Number between Rectangular Form and Polar Form or Exponential Form	https://wgdesigngroup.com/Pearson/precalc/628
MA.912.NSO.2.6:	Rewrite complex numbers to trigonometric form. Multiply complex numbers in trigonometric form.	630 - 631	EXAMPLE 4	https://wgdesigngroup.com/Pearson/precalc/630
MA.912.NSO.3.1:	Apply appropriate notation and symbols to represent vectors in the plane as directed line segments. Determine the magnitude and direction of a vector in component form.	644 - 645	EXAMPLE 6 EXAMPLE 8	https://wgdesigngroup.com/Pearson/precalc/644
MA.912.NSO.3.2:	Represent vectors in component form, linear form or trigonometric form. Rewrite vectors from one form to another.	658	Problem 40	https://wgdesigngroup.com/Pearson/precalc/658
MA.912.NSO.3.3:	Solve mathematical and real-world problems involving velocity and other quantities that can be represented by vectors.	648	Problem 79 Finding the Actual Speed and Direction of an Aircraft	https://wgdesigngroup.com/Pearson/precalc/648
MA.912.NSO.3.4:	Solve mathematical and real-world problems involving vectors in two dimensions using the dot product and vector projections.	654 - 656	Decompose a Vector into Two Orthogonal Vectors, EXAMPLE 6	https://wgdesigngroup.com/Pearson/precalc/654
MA.912.NSO.3.6:	Multiply a vector by a scalar algebraically or graphically.	638 - 639	Multiplying Vectors by Numbers Geometrically	https://wgdesigngroup.com/Pearson/precalc/638
MA.912.NSO.3.7:	Compute the magnitude and direction of a vector scalar multiple.	648	Problems 57 and 58	https://wgdesigngroup.com/Pearson/precalc/648
MA.912.NSO.3.8:	Add and subtract vectors algebraically or graphically.	641 - 642	Add and Subtract Vectors Algebraically,	https://wgdesigngroup.com/Pearson/precalc/641
MA.912.NSO.3.9:	Given the magnitude and direction of two or more vectors, determine the magnitude and direction of their sum.	648	Problem 77. Resultant Force	https://wgdesigngroup.com/Pearson/precalc/648
MA.912.T.1.3:	Apply the Law of Sines and the Law of Cosines to solve mathematical and real-world problems involving triangles.	563 - 564 572 - 573	EXAMPLE 5, EXAMPLE 6 (Finding the Height of a Mountain) EXAMPLE 2, EXAMPLE 3 (Correcting a Navigational Error)	https://wgdesigngroup.com/Pearson/precalc/563
MA.912.T.1.4:	Solve mathematical problems involving finding the area of a triangle given two sides and the included angle.	561 - 562	Solve SSA Triangles	https://wgdesigngroup.com/Pearson/precalc/561
	Clarifications:			
	Clarification 1: Problems include right triangles, heights inside of a triangle and heights outside of a triangle.	551 - 552	EXAMPLE 9	https://wgdesigngroup.com/Pearson/precalc/551
MA.912.T.1.5:	Prove Pythagorean Identities. Apply Pythagorean Identities to calculate trigonometric ratios and to solve problems.	546	Find the Value of Trigonometric Functions of Acute Angles Using Right Triangles	https://wgdesigngroup.com/Pearson/precalc/546
MA.912.T.1.6:	Prove the Double-Angle, Half-Angle, Angle Sum and Difference formulas for sine, cosine, and tangent. Apply these formulas to solve problems.	511 - 527	Sum and Difference Formulas, Double-angle and Half-angle Formulas,	https://wgdesigngroup.com/Pearson/precalc/511
MA.912.T.1.7:	Simplify expressions using trigonometric identities.	504 - 508	Trigonometric identities	https://wgdesigngroup.com/Pearson/precalc/504
	Clarifications:			
	Clarification 1: Identities are limited to Double-Angle, Half-Angle, Angle Sum and Difference, Pythagorean Identities, Sum Identities and Product Identities.	525 - 530	Use Double-angle Formulas to Establish Identities, Use Half-angle Formulas to Find Exact Values,	https://wgdesigngroup.com/Pearson/precalc/525
MA.912.T.1.8:	Solve mathematical and real-world problems involving one-variable trigonometric ratios.	533	Problem 103. Laser Projection	https://wgdesigngroup.com/Pearson/precalc/533
MA.912.T.2.1:	Given any positive or negative angle measure in degrees or radians, identify its corresponding angle measure between 0° and 360° or between 0 and 2π. Convert between degrees and radians.	387 - 389	Convert from Degrees to Radians and from Radians to Degrees	https://wgdesigngroup.com/Pearson/precalc/387
MA.912.T.2.2:	Define the six basic trigonometric functions for all real numbers by identifying corresponding angle measures and using right triangles drawn in the unit circle.	398	Trigonometric Functions of a Real Number	https://wgdesigngroup.com/Pearson/precalc/398
MA.912.T.2.3:	Determine the values of the six basic trigonometric functions for 0, and their multiples using special triangles.	400 - 402	EXAMPLE 2	https://wgdesigngroup.com/Pearson/precalc/400

MA.912.T.2.4:	Use the unit circle to express the values of sine, cosine and tangent for π-*x* , π+*x* , and 2π-*x* in terms of their values for *x* , where *x* is any real number.	413 - 415	Determine the Domain and the Range of the Trigonometric Functions, Determine the Period of the Trigonometric Functions	https://wgdesigngroup.com/Pearson/precalc/413
MA.912.T.2.5:	Given angles measured in radians or degrees, calculate the values of the six basic trigonometric functions using the unit circle, trigonometric identities or technology.	401	EXAMPLE 4	https://wgdesigngroup.com/Pearson/precalc/401
MA.912.T.3.1:	Given a mathematical or real-world context, choose sine, cosine or tangent trigonometric functions to model periodic phenomena with specified amplitude, frequency, horizontal shift and midline.	430 - 432	Determine the Amplitude	https://wgdesigngroup.com/Pearson/precalc/430
MA.912.T.3.2:	Given a table, equation or written description of a trigonometric function, graph that function and determine key features.	427 - 430	Graph the Sine Function y = = sinx and Functions of the Form y = A sin(wx)	https://wgdesigngroup.com/Pearson/precalc/427
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; relative maximums and minimums; symmetry; end behavior; periodicity; midline; amplitude; shift(s) and asymptotes.	435	EXAMPLE 7	https://wgdesigngroup.com/Pearson/precalc/435
	Clarification 2 : Instruction includes representing the domain and range with inequality notation, interval notation or set-builder notation.	440	Problem 85	https://wgdesigngroup.com/Pearson/precalc/440
MA.912.T.3.3:	Solve and graph mathematical and real-world problems that are modeled with trigonometric functions. Interpret key features and determine constraints in terms of the context.	441	Problem 95. Modeling Average Monthly Temperature	https://wgdesigngroup.com/Pearson/precalc/441
	Clarifications:			
	Clarification 1 : Key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; relative maximums and minimums; symmetry; end behavior; periodicity; midline; amplitude; shift(s) and asymptotes.	430	Problem 13	https://wgdesigngroup.com/Pearson/precalc/430
	Clarification 2 : Instruction includes representing the domain, range and constraints with inequality notation, interval notation or set-builder notation.	440	Problem 86	https://wgdesigngroup.com/Pearson/precalc/440
	Clarification 3 : Instruction includes using technology when appropriate.	437	4. Interactive Figure Exercise Exploring the Graph of the Cosine Function	https://wgdesigngroup.com/Pearson/precalc/437
MA.912.T.4.1:	Define and plot polar coordinates. Convert between polar coordinates and rectangular coordinates with and without the use of technology.	602 - 603	Convert from Polar Coordinates to Rectangular Coordinates	https://wgdesigngroup.com/Pearson/precalc/602
MA.912.T.4.2:	Represent equations given in rectangular coordinates in terms of polar coordinates. Represent equations given in polar coordinates in terms of rectangular coordinates.	606 - 607	EXAMPLE 8, EXAMPLE 9	https://wgdesigngroup.com/Pearson/precalc/606
MA.912.T.4.3:	Graph equations in the polar coordinate plane with and without the use of graphing technology.	612	Graph Polar Equations Using a Graphing Utility	https://wgdesigngroup.com/Pearson/precalc/612
MA.912.T.4.4:	Identify and graph special polar equations, including circles, cardioids, limacons, rose curves and lemniscates.	616-621	EXAMPLES: 8, 9, 10, 11, and 12.	https://wgdesigngroup.com/Pearson/precalc/616
MA.912.T.4.5:	Sketch the graph of a curve in the plane represented parametrically, indicating the direction of motion.	740 - 741	EXAMPLE 5	https://wgdesigngroup.com/Pearson/precalc/740
MA.912.T.4.6:	Convert from a parametric representation of a plane curve to a rectangular equation, and convert from a rectangular equation to a parametric representation of a plane curve.	743	Find Parametric Equations for Plane Curves Defined by Rectangular Equations	https://wgdesigngroup.com/Pearson/precalc/743
MA.912.T.4.7:	Apply parametric equations to model applications involving motion in the plane.	742	EXAMPLE 6	https://wgdesigngroup.com/Pearson/precalc/742
MA.K12.MTR.1.1:	**Actively participate in effortful learning both individually and collectively.**	967	Section 14.4 Applications and Extensions Q 49	https://wgdesigngroup.com/Pearson/precalc/967
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Help and support each other when attempting a new method or approach.	753	Chapter 10: Analytic Geometry Chapter Project	https://wgdesigngroup.com/Pearson/precalc/753
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205

			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Clarifications:			
		Teachers who encourage students to participate actively in effortful learning both individually and with others:			
		Cultivate a community of growth mindset learners.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Foster perseverance in students by choosing tasks that are challenging.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Develop students' ability to analyze and problem solve.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Recognize students' effort when solving challenging problems.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.2.1:	**Demonstrate understanding by representing problems in multiple ways.**		751	Chapter 10: Analytic Geometry Chapter Review Q 42	https://wgdesigngroup.com/Pearson/precalc/751
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Mathematicians who demonstrate understanding by representing problems in multiple ways:			
		Build understanding through modeling and using manipulatives.	441	Chapter 6: Trigonometric Functions Q 93	https://wgdesigngroup.com/Pearson/precalc/441
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Represent solutions to problems in multiple ways using objects, drawings, tables, graphs and equations.	460	Chapter 6: Trigonometric Functions Q 29	https://wgdesigngroup.com/Pearson/precalc/460
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Progress from modeling problems with objects and drawings to using algorithms and equations.	461	Chapter 6: Trigonometric Functions Q 37	https://wgdesigngroup.com/Pearson/precalc/461
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205

		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Express connections between concepts and representations.	143	Section 3.1	https://wgdesigngroup.com/Pearson/precalc/143
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Choose a representation based on the given context or purpose.	169	Section 3.3: Applications and Extensions Q 93	https://wgdesigngroup.com/Pearson/precalc/169
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	Teachers who encourage students to demonstrate understanding by representing problems in multiple ways:			
	Help students make connections between concepts and representations.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Provide opportunities for students to use manipulatives when investigating concepts.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Guide students from concrete to pictorial to abstract representations as understanding progresses.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Show students that various representations can have different purposes and can be useful in different situations.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.3.1:	**Complete tasks with mathematical fluency.**	967	Section 14.4 Skill Building Problems 9-20	https://wgdesigngroup.com/Pearson/precalc/967
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Mathematicians who complete tasks with mathematical fluency:			
	Select efficient and appropriate methods for solving problems within the given context.	967	Section 14.4 Skill Building Problems 33-42	https://wgdesigngroup.com/Pearson/precalc/967
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205

			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Maintain flexibility and accuracy while performing procedures and mental calculations.	544	Chapter 7 Analytic Trigonometry Chapter Project	https://wgdesigngroup.com/Pearson/precalc/544
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Complete tasks accurately and with confidence.	491	Section 7.2 Skill Building Q 21-32	https://wgdesigngroup.com/Pearson/precalc/491
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Adapt procedures to apply them to a new context.	484	Section 7.1 Applications and Extensions Q 79-84	https://wgdesigngroup.com/Pearson/precalc/484
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Use feedback to improve efficiency when performing calculations.	685	Section 10.2 The Parabola Example 5	https://wgdesigngroup.com/Pearson/precalc/685
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Clarifications:			
		Teachers who encourage students to complete tasks with mathematical fluency:			
		Provide students with the flexibility to solve problems by selecting a procedure that allows them to solve efficiently and accurately.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Offer multiple opportunities for students to practice efficient and generalizable methods.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Provide opportunities for students to reflect on the method they used and determine if a more efficient method could have been used.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.4.1:	**Engage in discussions that reflect on the mathematical thinking of self and others.**		534	Chapter 7 Explaining Concepts Q 122	https://wgdesigngroup.com/Pearson/precalc/534
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209

		Mathematicians who engage in discussions that reflect on the mathematical thinking of self and others:			
		Communicate mathematical ideas, vocabulary and methods effectively.	492	Chapter 7: Explaining Concepts Q 88	https://wgdesigngroup.com/Pearson/precalc/492
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Analyze the mathematical thinking of others.	492	Chapter 7: Explaining Concepts Q 89	https://wgdesigngroup.com/Pearson/precalc/492
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Compare the efficiency of a method to those expressed by others.	13	Section 1.2: Explaining Concepts Q 69	https://wgdesigngroup.com/Pearson/precalc/13
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Recognize errors and suggest how to correctly solve the task.	523	Chapter 7: Explaining Concepts Q 115	https://wgdesigngroup.com/Pearson/precalc/523
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Justify results by explaining methods and processes.	523	Chapter 7: Explaining Concepts Q 114	https://wgdesigngroup.com/Pearson/precalc/523
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Construct possible arguments based on evidence.	354	Chapter 5: Explaining Concepts Q 75	https://wgdesigngroup.com/Pearson/precalc/354
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Clarifications:			
		Teachers who encourage students to engage in discussions that reflect on the mathematical thinking of self and others:			
		Establish a culture in which students ask questions of the teacher and their peers, and error is an opportunity for learning.	1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Create opportunities for students to discuss their thinking with peers.	1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Select, sequence and present student work to advance and deepen understanding of correct and increasingly efficient methods.	1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Develop students' ability to justify methods and compare their responses to the responses of their peers.	1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.5.1:	**Use patterns and structure to help understand and connect mathematical concepts.**	212	Chapter 4: Applications and Extensions Q 43	https://wgdesigngroup.com/Pearson/precalc/212	
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Mathematicians who use patterns and structure to help understand and connect mathematical concepts:			
		Focus on relevant details within a problem.	715	Section 10.4 Example 10: Lightning Strikes	https://wgdesigngroup.com/Pearson/precalc/715
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Create plans and procedures to logically order events, steps or ideas to solve problems.	510	Chapter 7 Explaining Concepts Q 111	https://wgdesigngroup.com/Pearson/precalc/510
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203

			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Decompose a complex problem into manageable parts.	510	Chapter 7 Explaining Concepts Q 113	https://wgdesigngroup.com/Pearson/precalc/510
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Relate previously learned concepts to new concepts.	510	Chapter 7 Applications and Extensions Q 107	https://wgdesigngroup.com/Pearson/precalc/510
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Look for similarities among problems.	510	Chapter 7 Skill Building Q 101-104	https://wgdesigngroup.com/Pearson/precalc/510
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Connect solutions of problems to more complicated large-scale situations.	881	Section 12.3 Geometric Sequences; Geometric Series 5. Solve Annuity Problems Using Formulas	https://wgdesigngroup.com/Pearson/precalc/881
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Clarifications:			
		Teachers who encourage students to use patterns and structure to help understand and connect mathematical concepts:			
		Help students recognize the patterns in the world around them and connect these patterns to mathematical concepts.	1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Support students to develop generalizations based on the similarities found among problems.	1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Provide opportunities for students to create plans and procedures to solve problems.	1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Develop students' ability to construct relationships between their current understanding and more sophisticated ways of thinking.	1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.6.1:		**Assess the reasonableness of solutions.**	A76	Explaining Concepts Q 63 Critical Thinking	https://wgdesigngroup.com/Pearson/precalc/1055
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Mathematicians who assess the reasonableness of solutions:			
		Estimate to discover possible solutions.	395	Section 6.1:Applications and Extensions Q 121	https://wgdesigngroup.com/Pearson/precalc/395
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203

			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Use benchmark quantities to determine if a solution makes sense.	A76	Explaining Concepts Q 62	https://wgdesigngroup.com/Pearson/precalc/1055
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Check calculations when solving problems.	265	Section 4.7: Explaining Concepts Q 77	https://wgdesigngroup.com/Pearson/precalc/265
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Verify possible solutions by explaining the methods used.	265	Section 4.7: Explaining Concepts Q 76	https://wgdesigngroup.com/Pearson/precalc/265
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Evaluate results based on the given context.	19	Section 1.2: Applications and Extensions Q 64	https://wgdesigngroup.com/Pearson/precalc/19
			1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
			1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
			1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
			1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
			1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
			1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
		Clarifications:			
		Teachers who encourage students to assess the reasonableness of solutions:			
		Have students estimate or predict solutions prior to solving.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Prompt students to continually ask, "Does this solution make sense? How do you know?"	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Reinforce that students check their work as they progress within and after a task.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
		Strengthen students' ability to verify solutions through justifications.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
			1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
			1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
			1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
			1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
			1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
MA.K12.MTR.7.1:		**Apply mathematics to real-world contexts.**	19	Section 1.2: Applications and Extensions Q 65	https://wgdesigngroup.com/Pearson/precalc/19

		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Mathematicians who apply mathematics to real-world contexts:			
	Connect mathematical concepts to everyday experiences.	599	Chapter 9: Polar Coordinates, Vectors; How Airplanes Fly	https://wgdesigngroup.com/Pearson/precalc/599
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Use models and methods to understand, represent and solve problems.	609	Chapter 9: Applications and Extensions: Q 87	https://wgdesigngroup.com/Pearson/precalc/609
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Perform investigations to gather data or determine if a method is appropriate. • Redesign models and methods to improve accuracy or efficiency.	909	Chapter 12:The Binomial Project Chapter Project	https://wgdesigngroup.com/Pearson/precalc/909
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	Teachers who encourage students to apply mathematics to real-world contexts:			
	Provide opportunities for students to create models, both concrete and abstract, and perform investigations.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Challenge students to question the accuracy of their models and methods.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Support students as they validate conclusions by comparing them to the given situation.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
	Indicate how various concepts can be applied to other disciplines.	1117	Activity 1: What a Workout (TE)	https://wgdesigngroup.com/Pearson/precalc/1213
		1118	Activity 2: Acid Test (TE)	https://wgdesigngroup.com/Pearson/precalc/1214
		1119	Activity 3: Fields of Functions (TE)	https://wgdesigngroup.com/Pearson/precalc/1215
		1120	Activity 4: Triangle Tactics (TE)	https://wgdesigngroup.com/Pearson/precalc/1216
		1121	Activity 5: Break it Down (TE)	https://wgdesigngroup.com/Pearson/precalc/1217
		1122	Activity 6: On the Line (TE)	https://wgdesigngroup.com/Pearson/precalc/1218
ELA.K12.EE.1.1:	Cite evidence to explain and justify reasoning.	86	Explaining Concepts Q 141	https://wgdesigngroup.com/Pearson/precalc/86
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201

		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	K-1 Students include textual evidence in their oral communication with guidance and support from adults. The evidence can consist of details from the text without naming the text. During 1st grade, students learn how to incorporate the evidence in their writing.			
	2-3 Students include relevant textual evidence in their written and oral communication. Students should name the text when they refer to it. In 3rd grade, students should use a combination of direct and indirect citations.			
	4-5 Students continue with previous skills and reference comments made by speakers and peers. Students cite texts that they've directly quoted, paraphrased, or used for information. When writing, students will use the form of citation dictated by the instructor or the style guide referenced by the instructor.			
	6-8 Students continue with previous skills and use a style guide to create a proper citation.			
	9-12 Students continue with previous skills and should be aware of existing style guides and the ways in which they differ.	1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
ELA.K12.EE.2.1:	Read and comprehend grade-level complex texts proficiently.	412	6.3 Properties of the Trigonometric Functions	https://wgdesigngroup.com/Pearson/precalc/412
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	See Text Complexity for grade-level complexity bands and a text complexity rubric.		Lexile Level: 1210L-1400L	
ELA.K12.EE.3.1:	Make inferences to support comprehension.	609	Chapter 9: Explaining Concepts Q 93	https://wgdesigngroup.com/Pearson/precalc/609
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	Students will make inferences before the words infer or inference are introduced. Kindergarten students will answer questions like "Why is the girl smiling?" or make predictions about what will happen based on the title page. Students will use the terms and apply them in 2nd grade and beyond.	558	Chapter 8: Explaining Concepts: Question 85	https://wgdesigngroup.com/Pearson/precalc/558
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
ELA.K12.EE.4.1:	Use appropriate collaborative techniques and active listening skills when engaging in discussions in a variety of situations.	293	Chapter 5: Explaining Concepts Q 109	https://wgdesigngroup.com/Pearson/precalc/293
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	In kindergarten, students learn to listen to one another respectfully.			

	In grades 1-2, students build upon these skills by justifying what they are thinking. For example: "I think _____ because _____." The collaborative conversations are becoming academic conversations.			
	In grades 3-12, students engage in academic conversations discussing claims and justifying their reasoning, refining and applying skills. Students build on ideas, propel the conversation, and support claims and counterclaims with evidence.	354	Chapter 5: Explaining Concepts Q 75	https://wgdesigngroup.com/Pearson/precalc/354
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
ELA.K12.EE.5.1:	Use the accepted rules governing a specific format to create quality work.	326	Chapter 5: Retain Your Knowledge Q 152	https://wgdesigngroup.com/Pearson/precalc/326
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	Students will incorporate skills learned into work products to produce quality work. For students to incorporate these skills appropriately, they must receive instruction. A 3rd grade student creating a poster board display must have instruction in how to effectively present information to do quality work.	322	Chapter 5:Concepts and Vocabulary Interactive Figure Exercise 4	https://wgdesigngroup.com/Pearson/precalc/322
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
ELA.K12.EE.6.1:	Use appropriate voice and tone when speaking or writing.	294	Chapter 5:Explaining Concepts Q 114	https://wgdesigngroup.com/Pearson/precalc/294
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209
	Clarifications:			
	In kindergarten and 1st grade, students learn the difference between formal and informal language. For example, the way we talk to our friends differs from the way we speak to adults. In 2nd grade and beyond, students practice appropriate social and academic language to discuss texts.			
ELD.K12.ELL.MA.1:	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Mathematics.	354	Chapter 5: Explaining Concepts Q 73	https://wgdesigngroup.com/Pearson/precalc/354
		1103	Activity 1: What a Workout (SE)	https://wgdesigngroup.com/Pearson/precalc/1199
		1105	Activity 2: Acid Test (SE)	https://wgdesigngroup.com/Pearson/precalc/1201
		1107	Activity 3: Fields of Functions (SE)	https://wgdesigngroup.com/Pearson/precalc/1203
		1109	Activity 4: Triangle Tactics (SE)	https://wgdesigngroup.com/Pearson/precalc/1205
		1111	Activity 5: Break it Down (SE)	https://wgdesigngroup.com/Pearson/precalc/1207
		1113	Activity 6: On the Line (SE)	https://wgdesigngroup.com/Pearson/precalc/1209