B.E.S.T. Standards for Mathematics Appendices Correlation			
Mathematics for College Algebra, Lial, College Algebra & Trigonometry, 7e ©2021, Grade 9-12			
Please see Florida's B.E.S.T. Standards for Mathematics here.			
Situations Involving Operations with Numbers	**Operation of Focus**	**Connecting Benchmark(s)**	**Integrated Operations within Student and Teacher Materials**
			NA for grades 9-12

Fluency and Automaticity	**Arithematic Operation of Focus**	**Connecting Benchmark(s)**	**Integrated Basic Arithmetic Facts within Student and Teacher Materials**
			NA for grades 9-12

K-12 Mathematics Glossary	**Term of Focus**	**Connecting Benchmark(s)**	**Integrated Terms within Student and Teacher Materials**
Chapter R Algebra Review	absolute value	MA.912.AR.4.2 MA.912.AR.4.4 MA.912.AR.4.AP.2 MA.912.AR.4.AP.4	LOOKING AHEAD TO CALCULUS One of the most important definitions in calculus, that of the limit, uses absolute value. The symbols P (epsilon) and d (delta) are often used to represent small quantities in
Chapter 2 Graphs and Functions	function notation	MA.912.F.1.2 MA.912.F.1.AP.2	Function notation can be illustrated as follows: (diagram on 228)
Chapter 5 Trigonometric Functions	trigonometric function	NA	Right-Triangle-Based Definitions of the Trigonometric Functions (549)
Chapter 1 Equations and Inequalities	hypotenuse	NA	Recall that the legs of a right triangle form the right angle, and the hypotenuse is the side opposite the right angle.(143)
Properties of Operations, Equality and Inequality	**Property of Focus**	**Connecting Benchmark(s)**	**Integrated Properties within Student and Teacher Materials**
Equality	Addition property of equality	MA.912.AR.2.4 MA.912.AR.2.5	Addition and Multiplication Properties of Equality(188)
Inequality	Properties of Inequality	MA.912.AR.3.7	Properties of Inequality (168)
Operations	Distributive Property	NA	EXAMPLE 8 Using the Distributive Property (33)

K-12 Formulas	Formula of Focus	Connecting Benchmark(s)	Integrated Formulas within Student and Teacher Materials
Laws of Exponents	Rational, Fractional exponent	MA.912.AR.5.AP.2 MA.912.AR.5.2	Because any irrational number may be approximated more and more closely using rational numbers, we can extend the definition of a r to include all real number exponents and apply all previous theorems for exponents. In addition to the rules for exponents presented earlier, we use several new properties in this chapter. (448)