



2026–2027 K–12 Mathematics and Computer Science Bid #1805 – Precalculus Enhanced with Graphing Utilities

IM8 Questionnaire

Authors & Credentials: List full name of author(s), with major or senior author listed first. Briefly provide credentials for each author.

Answer: As a teacher, and as an author of precalculus, engineering calculus, finite mathematics, and business calculus texts, Michael Sullivan understands what students must know if they are to be focused and successful in upper-level math courses. As an instructor and an author of a developmental mathematics series, Michael's son and co-author, Michael Sullivan III, understands the trepidations and skills that students bring to the Precalculus course. As the father of recent college graduates, Michael III realizes that today's college students demand a variety of media to support their education. This text addresses that demand by providing technology and video support that enhances understanding without sacrificing math skills. Together, we have taken great pains to ensure that the text offers solid, student-friendly examples and problems, as well as a clear and seamless writing style. A tremendous benefit of authoring a successful series is the broad-based as professors at an urban university (Michael Sullivan) and a community college (Michael Sullivan III), we are aware of the varied needs of students in this course. Such students range from those who have little mathematical background and are fearful of mathematics courses to those with a strong mathematical education and a high level of motivation. For some of your students, this will be their last course in mathematics, whereas others will further their mathematical education. We have written this text with both groups in mind.

Students: Describe the type(s) of students for which this submission is intended.

Answer: The book "Precalculus Enhanced with Graphing Utilities, 9th Edition" is designed for a wide range of students. It caters to those with minimal mathematical background who may feel apprehensive about math courses, as well as students with a strong foundation and high motivation in mathematics. The text is suitable for students who might be taking their last math course and those planning to continue with advanced math studies. It includes features like technology and video support to enhance understanding, making it accessible and engaging for today's college students. The book also highlights contemporary mathematicians to inspire students and includes various instructional videos to aid learning. Overall, it aims to be a comprehensive tool for students at different levels of mathematical proficiency, ensuring they can succeed in their studies.

1. List the Florida districts in which this program has been piloted in the last eighteen months.

Answer: N/A



2. HOW ARE YOUR DIGITAL MATERIALS SEARCHABLE BY FLORIDA STATE STANDARDS (SECTION 1006.33(1)(E), FLORIDA STATUTES)?

Answer: Content is able to be searched through the Pearson eText.

3. IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL. The Major Tool is comprised of the items necessary to meet the standards and requirements of the category for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission.

Educational Approach: (The information provided here will be used in the instructional materials catalog in the case of adoption of the program. Please limit your response to 500 words or less.)

Answer: Print textbook and MyLab digital access (5 years). The proven approach of Sullivan and Sullivan focuses students on the fundamental skills of the course: prepare for class, practice with homework, and review the concepts. Precalculus: Enhanced with Graphing Utilities fully integrates graphing utilities into topics, allowing students to explore mathematical concepts and encounter ideas usually studied in later courses. Many examples show solutions using algebra side by side with graphing techniques. The text features a review chapter before covering the traditional precalculus topics of functions and their graphs, polynomial and rational functions, and exponential and logarithmic functions. The trigonometric functions are introduced using a unit circle approach and show how it is related to the right triangle approach.

Major Tool - Student Components: Describe each of the components, including a format description.

Answer: Print Text resources: Just-in-time review begins all sections to prepare students for the topics ahead, with Preparing for This Section lists and Are You Prepared? Problems, Challenge Problems are thought provoking and require some ingenuity to solve. They can be used individually or for group work, Assess Your Understanding appears after every section with a variety of problems for students to master needed skills, More Desmos and screen captures along with TI-84 Plus CE screen captures have been added throughout. These provide alternate ways of visualizing concepts and making connections between equations, data, and graphs in full color. Student supplements: Student Mathematics Activity Supplement - format online access via MLM. MyLabMath Resources: NEW: Every instructional video is new and created exclusively for this text. They are author reviewed and Michael Sullivan III appears in many. Videos are objective based, with 1 for each textbook objective, and segmented into shorter parts for easier navigation (Introductions, Examples, and Summary). Interactive Figures help students visualize key concepts, and show examples worked by hand. Each video is high-definition and accessible, and various instructors appear across the selection. NEW: GeoGebra Graphing Exercises are gradable graphing exercises that help students demonstrate their understanding. They enable

students to interact directly with the graph in a manner that reflects how they would graph on paper.

Major Tool – Teacher Components: Describe each of the components, including a format description.

Answer: MyLab math Resources: Teacher Mathematics Activity Supplement – format online access via MLM, Instructor Solutions Manual, Mini Lecture notes, video note taking guide

4. IDENTIFY AND DESCRIBE THE ANCILLARY MATERIALS. Briefly describe the ancillary materials and their relationship to the major tool.

Ancillary Materials – Student Components: Describe each of the components, including a format description.

Answer: MyLab Math includes: NEW: Every instructional video is new and created exclusively for this text. They are author reviewed and Michael Sullivan III appears in many. Videos are objective based, with 1 for each textbook objective, and segmented into shorter parts for easier navigation (Introductions, Examples, and Summary). Interactive Figures help students visualize key concepts, and show examples worked by hand. Each video is high-definition and accessible, and various instructors appear across the selection. NEW: GeoGebra Graphing Exercises are gradable graphing exercises that help students demonstrate their understanding. They enable students to interact directly with the graph in a manner that reflects how they would graph on paper. NEW section-level Enhanced Assignments: help keep skills fresh with spaced practice of previously learned concepts. The spaced practice problems are selected from the Retain Your Knowledge problems in the textbook. turn off learning aids strategically for some exercises to ensure that students understand how to work the exercises independently. contain personalized prerequisite skills exercises for gaps identified in the chapter-level Skills Check Quiz. NEW: Video Note-Taking Guide helps students learn actively while watching videos. UPDATED: All MyLab exercises have been reviewed and edited to better match the language and approach of the text, and to make solutions (within View an Example and Help Me Solve This) more student friendly.

Ancillary Materials – Teacher Components: Describe each of the components, including a format description.

Answer: Printed textbook: Annotated Teacher's Edition includes answers Teacher Mathematics Activity Supplement

5. Identify which industry standard protocols are utilized for interoperability?

Answer: The MyLab learning platform is IMS Global / 1 Ed Tech, 1.3 compatible. A list of learning management platforms that can be integrated with MyLab and other information



on integration services can be found at <https://www.pearson.com/en-us/higher-education/educators/digital-learning-platforms/lms-integration-services.html>

If more assistance is required, our dedicated LMS Install team can work one-on-one with your technology lead to ensure a smooth, secure, and efficient integration between your Learning Management System (LMS) and Pearson digital platforms, so your system can support teaching and learning from day one.

6. HOW MUCH INSTRUCTIONAL TIME IS NEEDED FOR THE SUCCESSFUL IMPLEMENTATION OF THIS PROGRAM? Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.

Answer: Our programs are specifically designed to align with the structure and pacing of traditional, full-year academic courses. Each course includes a robust number of instructional hours, giving educators the flexibility to customize lessons and pacing to meet the unique needs of their students and classroom schedules.

7. WHAT PROFESSIONAL DEVELOPMENT IS AVAILABLE? Describe the ongoing learning opportunities available to teachers and other education personnel that will be delivered through their schools and districts as well as the training/in-service available directly from the organization for successful implementation of the program. Also provide details of the type of training/in-service available and how it may be obtained. (The information provided here will be used in the instructional materials catalog in the case of adoption of the program.)

Answer: For information regarding our virtual and in-person professional development opportunities please see: <https://acrobat.adobe.com/id/urn:aaid:sc:US:3f53dddc-442c-49af-93cf-6f1b4e68f442>

8. WHAT HARDWARE/EQUIPMENT IS REQUIRED? List and describe the hardware/equipment needed to implement the submission in the classroom. REMEMBER: Florida law does not allow hardware/equipment to be included on the bid! However, schools and districts must be made aware of the hardware/equipment needed to fully implement this program.

Answer: Laptop/Computer with internet access, calculator is optional

9. WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY? If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

Answer: For information regarding our Universal Terms of Service and End User License Agreement please visit: <https://loginstatic.pearson.com/html/PearsonEULA.html>

10. WHAT STATES HAVE ADOPTED THE SUBMISSION? List some of the states in which this submission is currently adopted.



Answer: This title has been adopted in FL, AL, TN, GA, OH, AZ, IN, SC, TX, and IL.

11. WHAT OPEN EDUCATIONAL RESOURCES RELATED TO THIS BID DO YOU MAKE AVAILABLE(S)? List and describe each of the components, including a format description. (Open Educational Resources (OER) are high-quality, openly licensed, online educational materials that offer an extraordinary opportunity for people everywhere to share, use, and reuse knowledge.)

Answer: N/A

12. Although not called for in the state adoption, do you have advanced placement (ap) or accelerated program instructional materials available for the course(s) bid for adoption?

Answer: Yes

13. What, if any, foreign language translations do you have available?

Answer: The online platforms allow translations to be made into more than 100 major languages.

14. Do you provide access point scaffolding or an access point correlation upon request?

Answer: Yes, we do provide access point correlations, and these are included in our submitted standard alignments, which are available on the procurement portal. These correlations highlight how our materials align with access point standards to support all learners.

15. ESSA LEVELS OF EVIDENCE: To be considered an evidence-based program (or practice), it is required to have evidence to show that the program is in fact effective at producing results and improving outcomes in reading when implemented. Identification of evidence level alignment, Levels 1-4 (as outlined in the specifications), for the entirety of the program, part of the program, or individual practices within the program is required. Please explain how your product meets these requirements.

Answer: While we do not have ESSA Levels of Evidence available for all titles being submitted, we do have robust evidence on the efficacy of our MyLab program where our digital components are housed. For more information please see:

<https://www.pearson.com/en-us/schools/college-readiness-career-education/success-stories.html>.

Likewise, our products undergo intensive reviews conducted by subject matter experts and instructors to ensure we are giving educators and students the tools they need to succeed.