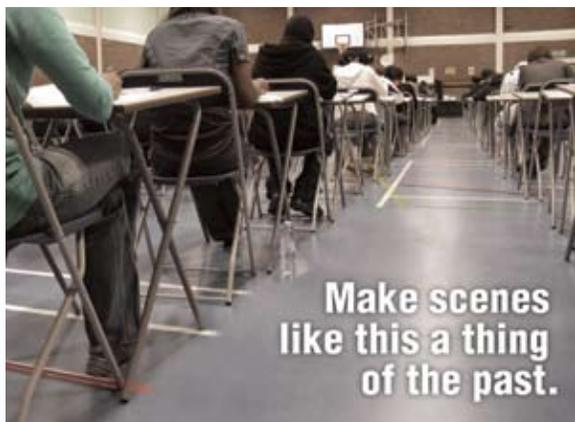


Maple T.A.[™] MAA Placement Test Suite



Place your incoming students in the right mathematics courses quickly and painlessly using the renowned Mathematical Association of America (MAA) placement tests offered online exclusively through the Maple T.A. testing environment.



Maple T.A.[™] MAA Placement Test Suite

Partnering with the MAA to revolutionize placement testing



Why Use the Placement Test Suite?

Easy to administer. Deliver tests online, without the logistical headaches of room scheduling, paper copy delivery, marker hiring, marathon marking sessions, and manual mark entry.

Instant results. Results are available as soon as the student has completed the test.

Placement before scheduling. Because tests are taken online, placement testing can be done before students arrive on campus, over the summer or even at the end of the previous school year when the concepts are fresh in students' minds. Class scheduling can then be done using the placement information.

Flexible delivery. Tests can be offered multiple times, or over a period of time, to accommodate everyone's busy schedule. Tests can even be administered more than once to the same students throughout the license period, to validate improvements during and after the course and to determine placement for additional subjects.

Features

- Standard, calculator-based, and algorithmic tests available
- For standard and calculator-based tests
 - Each test is carefully balanced and real-life tested by the MAA to provide consistent and reliable results
 - Parallel forms of these tests are available for many topics
- Algorithmic tests
 - Each question contains one or more variables whose values are randomly chosen according to the constraints specified in the question template
 - Every student is presented with a randomized version of the same problem, so answers cannot be shared
 - Based on the original algorithms used to create the parallel forms of the standard placement tests
 - Reviewed and approved by the MAA
- Each test available as a built-in assignment
- Instant grading of results
- Results can be analyzed with automated tools
- Standard math notation used in questions, so they appear just as they would on paper
- User's Guide provides guidelines on selecting the appropriate test, and analyzing the results to set cutoff scores
- MAA Placement Test consultants available, at additional cost, to help institutions develop or improve their placement testing program
- Flexible licensing allows for hosted and locally run solutions

Reflects Current Research in Calculus Assessment

The Maple T.A. MAA Placement Test Suite incorporates the results of current research into calculus assessment. The Calculus Concepts Readiness Test, recently developed by the MAA, determines if a student has a good understanding of the mathematical concepts needed to succeed in a calculus course.

"Reliability and accuracy were our key concerns when considering an effective solution. We found both these attributes in the Maple T.A. MAA Placement Test Solution," said Sethi. "An automated online system means that our students can take their tests anywhere and we have the results ready when they come in for orientation. Suffice to say, it made us more efficient and the students are ready to start, right from the first day of class."

Wendiann Sethi, Director of the Department of Developmental Math
Seton Hall University

Maple T.A.™ MAA Placement Test Suite

Topics

Placement Tests

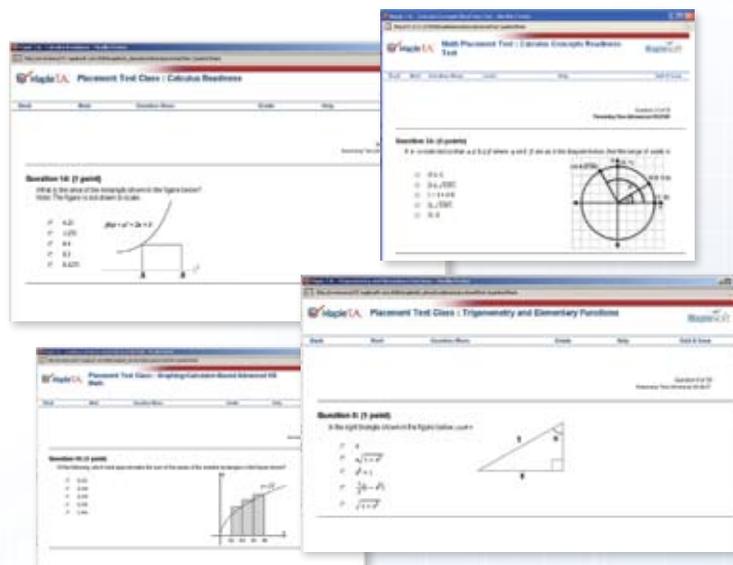
- Arithmetic and Skills
- Basic Algebra
- Algebra
- Advanced Algebra
- Trigonometry/Elementary Functions
- Calculus Readiness and Calculus Concepts Readiness

Calculator-Based Tests

- Arithmetic and Skills
- Basic Algebra
- Algebra
- Calculus Readiness

High School Prognostics Tests

- Elementary, intermediate, and advanced high school mathematics



Why Use an MAA Placement Test?

Student success. Today's students arrive with a wide range of backgrounds in mathematics. Correct placement ensures higher success rates for students. Students are more satisfied with the education they are receiving, and instructors can focus on teaching the content of the course instead of dealing with under-prepared or over-prepared students. Institutions can plan appropriate levels of courses and be confident that they are meeting students' needs.

Created by experts. MAA placement test items are written and constructed by panels of college mathematics teachers who are directly involved with teaching students the courses served by the placement tests. Final approval for each test comes from the MAA.

Statistically rigorous and validated. Before a test can become an MAA standard or calculator-based placement test, it is first administered at select institutions. The results undergo detailed analysis, with modifications and further trials as required. While it is not possible for the millions of variations of algorithmic tests to undergo the same testing procedure, the algorithmic tests are based on the original algorithms used to create the parallel forms of the standard placement tests. All of the algorithmic questions have been reviewed and approved by the MAA.

High content validity. MAA placement tests have high content validity in the judgement of college faculty members who either helped construct the tests or piloted the tests at their institutions. For three decades, many mathematics departments have found the tests reliable and valid for appropriately placing students in entry level mathematics courses. The tests assess simple computational and manipulative skills in unrehearsed contexts as well as understanding of fundamental concepts needed for success in introductory mathematics courses.

Trusted for decades. Started in 1977, MAA placement tests are used by hundreds of institutions throughout the U.S.

Maple T.A. Connector for Blackboard® Software

The Maple T.A. Connector for Blackboard Software enables you to use the Maple T.A. MAA Placement Test Suite directly from inside your Blackboard classes.

For other course management systems: Maple T.A. includes a built-in connector to the Moodle™ course management system, and a web services API that allows you to build your own connector for other systems, including custom-built solutions.

Powered By:



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