



MOREAU
CATHOLIC HIGH SCHOOL
COMPASSIONATE COLLEGE PREP

Math Placement Guide

Initial Math Placement

The Admissions Committee initially places students in their 9th grade math course based on their

- HSPT score
- 8th grade math course
- 8th grade math teacher recommendation

Please consult your Course Registration Form in your online registration checklist to see which course you are recommended to take.

However, our *best* assessment tool is our own MCHS math placement exam. Therefore, we strongly encourage every student to come in and take the placement exam in March. Our placement exam can only help students, because we will use the results to confirm students' initial placement or move them into a higher level class. Students who do not come for the placement exam will keep their initial placement.

Placement Exam Details

The one hour math placement exam will be proctored in person on Moreau Catholic's campus. It is offered on two dates and families may select the date that works best for their schedule.

- **Tuesday, March 29th OR Wednesday, March 30th**
- **3:30pm check in, 3:45-4:45pm exam**

Students should bring a pencil, eraser, face mask, and water bottle to the placement test. Students with initial placement into Geometry, Honors Geometry, or Honors Algebra 2 may also bring a 4-function or scientific calculator. Calculators are not required for students with initial placement in Algebra 1 A or Algebra 1. MCHS is not able to supply calculators if students do not bring their own.

Please drop your student off in the back parking lot near the Ivaldi Student Center on the afternoon of your placement exam. There will be a check-in table and student ambassadors will escort your student to their assigned classroom.

The placement exam is *not* intended to be something students cram or study for. It is most useful when we can see students' authentic mastery of math concepts and skills. We simply ask that students try their best and show all of their work. The placement exam will only cover content through the 3rd quarter of the current school year. For example, a student currently taking Algebra 1 will not be expected to know 4th quarter Algebra 1 content for this exam.

For placement exam questions, please contact our Math Department Chair Ms. Caitlin Riley at criley@moreaucatholic.org.



9th Grade Math Courses and Sequence

Below is an abbreviated description of the different math courses that students may be placed in for 9th grade. The sample sequences are just samples; students' pathways can vary depending on their upper division course selections, whether or not they choose summer advancement options, and if they move into or out of honors level classes. For more detailed information, please consult our [Course Description Guide](#) beginning on page 7.

Algebra 1A

This course is the first year of a two-year Algebra 1 sequence, focusing on functions, linear equations, and equalities.

A sample four-year math sequence: Algebra 1A in 9th, Algebra 1B in 10th, Geometry Summer Bridge, Algebra 2 in 11th, and Analysis and Trigonometry in 12th.

Algebra 1

This course deals with fundamental algebraic concepts: sets, equations, inequalities, functions, and the operations and applications for real numbers.

A sample four year math sequence: Algebra 1 in 9th, Geometry in 10th, Algebra 2, in 11th, and Analysis and Trigonometry in 12th.

Geometry

The concepts of congruence, similarity, and the Pythagorean theorem and its applications will be studied, including an introduction to trigonometry.

A sample four year math sequence: Geometry in 9th, Algebra 2 in 10th, Pre-Calculus in 11th, and Calculus in 12th.

Honors Geometry

This course explores Euclidean Geometry from identifications to proofs, and the interdependence between algebra and geometry.

A sample four year math sequence: Honors Geometry in 9th, Honors Algebra 2 in 10th, Honors Pre-Calculus in 11th, AP Calculus AB in 12th.

Algebra 2

The course deals with coordinate systems, systems of linear inequalities, logarithms, quadratic relations, and more.

A sample four year math sequence: Algebra 2 in 9th, Honors Pre-Calculus in 10th, AP Calculus AB in 11th, AP Calculus BC or AP Statistics in 12th.

Honors Algebra 2

This course will thoroughly cover Algebra 2 with additional rigor in problems and exercises.

A sample four year math sequence: Honors Algebra 2 in 9th, Honors Pre-Calculus in 10th, AP Calculus AB in 11th, AP Calculus BC in 12th.