



Summer Math Bridge Classes 2020

Merion Mercy's math department is happy to offer three "Bridge" classes this summer. These classes will serve as a review of important topics for students who were in Algebra I, Algebra II, and Geometry during the 2019-20 school year.

The classes will be available for three days a week for three weeks and will include a fourth day each week for one-to-one meeting times with the instructor for any questions surrounding the material. Please see below for more information, including class times and dates.

We are excited to be able to offer these classes at no additional charge to families. However, it is important for students to register in advance. Please [click here](#) to register.

Algebra I Bridge Class

This three-week Algebra 1 Bridge Class will review topics taught in the fourth quarter of the course. Students will solve equations involving quadratic, radical, and rational functions. Students will study the graphs for these three types of functions. Students will perform the four operations for radical and rational functions.

Three Weeks: Monday – Wednesday

July 20-22 12:00-1:00 pm

July 27-29 12:00 – 1:00 pm

August 3-5 8:30-9:30 am

Office Hours: Thursdays: July 23, July 30, 12:00 – 1:00 and August 6 8:30-9:30 am

Topics:

1. Quadratic functions - factoring, graphing parabolas, completing the square, and using the quadratic formula
2. Radical functions - add, subtract, multiply, and divide radical expressions
3. Rational functions - add, subtract, multiply, and divide rational expressions

Algebra 2 Bridge Class

This three-week Algebra 2 Bridge Class will review the topics taught in the fourth quarter of the course. Students will practice and review operations with radical and rational expressions. Students will study function operations and properties of logarithms.

Three Weeks: Monday – Wednesday

July 20-22 1:00-2:00 pm

July 27-29 1:00 – 2:00 pm

August 3-5 9:30-10:30 am

Office Hours: Thursdays: July 23, July 30, 1:00 – 2:00 and August 6 9:30-10:30 am

Topics:

Algebra 2

1. Multiplying, dividing, adding, and subtracting radical expressions
2. Rational exponents
3. Solving square root and other radical equations
4. Function operations
5. Inverse functions

Honors Algebra 2

1. Adding and subtracting rational expressions
2. Solving rational expressions
3. Properties of logarithms
4. Natural base and natural logarithms: e^x and $\ln x$
5. Solving logarithmic equations

Geometry Bridge Class

This three-week Geometry Bridge Class will review topics taught in the fourth quarter of the course. Students will practice problems with the different types of quadrilaterals, use the pythagorean theorem to solve problems, go over definitions and formulas for circles and their equations, and work on problems involving area, surface area, and volume.

Three Weeks: Monday – Wednesday

July 20-22 2:00-3:00 pm

July 27-29 2:00 – 3:00 pm

August 3-5 10:30-11:30 am

Office Hours: Thursdays: July 23, July 30, 2:00 – 3:00 and August 6, 10:30-11:30 am

Topics:

1. Quadrilaterals (Chapter 6 review)
2. Circles (Chapter 10)
3. Areas of Polygons/Surface Area/Volume (Chapter 11)

REGISTER NOW

[Click here](#)