

## Incoming Geometry Students 2021-22

### Skills Review: Summer 2021

Geometry students are expected to have a strong understanding of operations, solving equations, graphing lines, multiplying binomials, factoring, and simplifying square roots. To facilitate this, students need to score at least 90 on the following objectives on IXL.com. There will be a quiz over these items during the first few days/weeks of school.

To login to IXL.com, use your first initial and last name@bmchs. Example: dcoats@BMCHS.  
The password is goirish!

The objectives are listed in order of increasing complexity, (the easier ones are first) but you can work on them in any order. Your scores are saved automatically on IXL.com and can be viewed by teachers and administration.

Subject/Level	Topic
Algebra I: Operations	B.1 Add, subtract, multiply, and divide integers
	B.2 Evaluate numerical expressions involving integers
	B.3 Evaluate variable expressions involving integers
	B.4 Add & Subtract rational numbers
	B.5 Multiply & divide rational numbers
	B.6 Evaluate numerical expressions involving rational numbers
	B.7 Evaluation variable expressions involving rational numbers
Eighth Grade: Square Roots & Cube Roots	F.5 Relationship between squares and square roots
	F.6 Solve equations using square roots
Algebra I: Radical Expressions	EE.1 Simplify radical expressions
	EE.3 Simplify radical expressions involving fractions
	EE.4 Multiply radical expressions
	EE.5 Add/Subtract radical expressions
Geometry: Algebra Review	A.8 Solve linear equations
Algebra I: Coordinate Plane	G.1 Coordinate Plane Review
Eighth Grade: Linear Equations	AA.2 Find the slope between two points
	AA.3 Find a missing coordinate using slope
	AA.4 Slope-intercept form: find the slope and y-intercept
	AA.5 Graph a line using slope
	AA.6 Graph a line from an equation in slope-intercept form
	AA.10 Write a linear equation from a slope and a point
Algebra I: Polynomials	Z.8 Multiply two binomials
Algebra I: Factoring	AA.4 Factor quadratics with a leading coefficient 1

If you have any trouble with IXL login, email [dcoats@bmchs.org](mailto:dcoats@bmchs.org).