

## Incoming Geometry Students 2022-23

### Skills Review & Practice: Summer 2022

Geometry students are expected to have a strong understanding of operations, solving equations, graphing lines, multiplying binomials, factoring, and simplifying square roots. To ensure success next year, it is recommended that students practice the skills listed below.

The objectives are listed in order of increasing complexity, (the easier ones are first) but you can work on them in any order. Scores of 70 are satisfactory and scores of 100 indicate mastery. Your scores and time spent are saved automatically on IXL.com and can be viewed by teachers and administration.

To set up an IXL account, email Mrs. Coats at [dcoats@bmchs.org](mailto:dcoats@bmchs.org).

<b>Subject/Level</b>	<b>Topic</b>
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	FF.1 Simplify radical expressions
	FF.3 Simplify radical expressions involving fractions
	FF.4 Multiply radical expressions
	FF.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 from 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	AA.8 Multiply two binomials
Algebra I: Factoring	BB.4 Factor quadratics with a leading coefficient 1