

Name: \_\_\_\_\_

Math Summer Assignment – Entering Geometry

**Directions:** Over the summer, please complete the assigned IXL Lessons. Record the SmartScore that you earn in the column next to each lesson. The desired SmartScore for each lesson is an 80. If you are challenged by the assigned lesson, you may choose the alternative lessons to complete and record the score for your completed work. If you choose the alternative lessons, you must complete all of the lessons listed in that section/rectangle. Please have a parent or guardian sign off on your completed work after each lesson. This assignment will be due by **Friday, August 18<sup>th</sup> and will be your 1<sup>st</sup> grade for the 2017 2018 school year.**

| <b>IXL Lesson Titles<br/>Geometry, section A,<br/>Algebra Review</b> | <b>SmartScore</b> | <b>Alternative Lessons</b>   | <b>SmartScore</b> | <b>Parent Digital Signature<br/>with Date</b> |
|--|-------------------|--|-------------------|---|
| A.1 Ratios and proportions   |                   | 8 <sup>th</sup> grade: H.8 Do the ratios form a proportion?                  |                   |   |
| A.2 Scale drawings: word problems                                    |                   | 6 <sup>th</sup> grade: R.12 Scale drawings: word problems                    |                   |   |
| A.3 Properties of exponents  |                   | 8 <sup>th</sup> grade: F.10 Multiplication and division with exponents       |                   |   |
| A.4 Simplify radical expressions                                     |                   | Algebra 1: EE.5 Simplify radical expressions using the distributive property |                   |   |
| A.5 Write variable expressions                                       |                   | 5 <sup>th</sup> grade: V.1 Write variable expressions                        |                   |   |
| A.6 Solve linear equations   |                   | Algebra 1: J.4 Solve two-step linear equations                               |                   |   |

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|---------------------------------------|--|---|--|--|
| A.7 Solve linear inequalities         |  | Algebra 1: K.6 Solve one-step linear inequalities<br><br>Algebra 1: K.8 Solve two-step linear inequalities  |  |  |
| Geometry: E.1 Coordinate plane review |  | 6 <sup>th</sup> grade: X.1 Objects on a coordinate plane  |  |  |
| Geometry: E.2 Slopes of lines         |  | 7 <sup>th</sup> grade: V.1 Find the slope from a graph<br><br>7 <sup>th</sup> grade: V.2 Find the slope from two points<br><br>7 <sup>th</sup> grade: V.3 Find a missing coordinate using slope<br><br>7 <sup>th</sup> grade: V.4 Find the slope from an equation |  |  |
| Geometry: E.3 Graph a linear equation |  | 8 <sup>th</sup> grade: Y.6 Graph a line from an equation in slope-intercept form<br><br>8 <sup>th</sup> grade: Y.12 Graph a line from an equation in standard form  |  |  |
| Geometry: E.4 Equations of lines      |  | 8 <sup>th</sup> grade: Y.8 Write a linear equation from a graph   |  |  |