Name: _____

Math Summer Assignment – Entering Math for College Readiness (MCR)

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 <mark>**Friday, August 18th and will be your 1st grade for the 2017 2018 school year.**</mark>

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

Geometry A.7 Solve linear inequalities		Algebra 1: K.6 Solve one-step linear inequalities Algebra 1: K.8 Solve two-step linear inequalities		
Geometry A.8 Solve systems of linear equations		Algebra 1: U.14 Solve a system of equations using any method		
Geometry A.9 Solve a quadratic equation by factoring		Algebra 1: A.8 Factor polynomials		
Geometry A.10 Solve a quadratic equation using the quadratic formula		Algebra 1: BB.10 Solve a quadratic equation using the quadratic formula		
Geometry: E.1 Coordinate plane review		6th grade: X.1 Objects on a coordinate plane		
Geometry: E.2 Slopes of lines		7th grade: V.1 Find the slope from a graph 7th grade: V.2 Find the slope from two points 7th grade: V.3 Find a missing coordinate using slope 7th grade: V.4 Find the slope from an equation		
Geometry: E.3 Graph a linear equation		8th grade: Y.6 Graph a line from an equation in slope-intercept form 8th grade: Y.12 Graph a line from an equation in standard		

		form		
Geometry: E.4 Equations of lines		8th grade: Y.8 Write a linear equation from a graph		
Geometry: E.5 Slopes of parallel and perpendicular lines		7th grade: W.10 Parallel, perpendicular, and intersecting lines		
Geometry: E.6 Equations of parallel and perpendicular lines		8th grade: Y.13 Slopes of parallel and perpendicular lines		