7th ->8th Summer Assignments For Advanced Group
Do the following IXLs UNDER 8TH GRADE to a Smart Score of 85.

Please don't hesitate to contact me if you have any problems or concerns.
fawsalgebra@fatherandrewwhite.org

8th Grade IXL.COM

Operations with rational numbers

E.1 Reciprocals and multiplicative inverses

Exponents and roots

F.2 Evaluate exponents

F.4 Exponents with negative bases

F.6 Understanding negative exponents

F.7 Evaluate negative exponents

F.8 Multiplication with exponents

F.9 Division with exponents

F.10 Multiplication and division with exponents

F.11 Power rule

F.12 Evaluate expressions using properties of exponents

F.18 Relationship between squares and square roots

Scientific notation

G.3 Multiply numbers written in scientific notation

G.4 Divide numbers written in scientific notation

Ratios, rates, and proportions

H.10 Solve proportions

Proportional relationships

I.1 Find the constant of proportionality from a table

I.6 Identify proportional relationships from graphs and equations

I.8 Graph proportional relationships

Percents

J.1 Convert between percents, fractions, and decimals

Consumer math

K.6 Find the percent: tax, discount, and more

Two-dimensional figures

O.7 Find missing angles in triangles

O.9 Find missing angles in quadrilaterals 1

O.13 Identify complementary, supplementary, vertical, adjacent, and congruent angles

O.14 Find measures of complementary, supplementary, vertical, and adjacent angles

O.16 Transversal of parallel lines

O.19 Parts of a circle

Pythagorean theorem

R.5 Converse of the Pythagorean theorem: is it a right triangle?

Expressions and properties

V.12 Properties of addition and multiplication

V.13 Multiply using the distributive property

V.15 Add and subtract like terms

One-variable equations

W.11 Solve equations with variables on both sides

One-variable inequalities

X.2 Graph inequalities on number lines

X.3 Write inequalities from number lines

X.8 Solve multi-step inequalities

X.9 Graph solutions to multi-step inequalities

Linear equations

Y.1 Find the slope of a graph

Y.2 Find the slope from two points

Y.5 Graph a line using slope

Y.6 Graph a line from an equation in slope-intercept form

Y.7 Write a linear equation from a slope and y-intercept

Y.8 Write a linear equation from a graph

Systems of linear equations

AA.1 Is (x, y) a solution to the system of equations?

Monomials and polynomials

BB.1 Identify monomials

BB.4 Add and subtract polynomials

BB.5 Add polynomials to find perimeter

BB.8 Multiply and divide monomials

BB.9 Powers of monomials

BB.12 Multiply polynomials

Probability

EE.1 Probability of simple events

EE.5 Compound events: find the number of outcomes