** Summer Work**
Students Just Completing Algebra 2
Select Algebra 2

B.4 Solve absolute value equations

B.6 Solve multi-variable equations

C.4 Solve linear inequalities

C.6 Solve absolute value inequalities

C.11 Solve quadratic inequalities

D.4 Find values using function graphs

D.7 Graph a linear function

E.2 Solve a system of equations by graphing

H.6 Add, subtract, multiply, and divide complex numbers

I.5 Factor by grouping

I.7 Factor polynomials

J.3 Graph a quadratic function

J.4 Solve a quadratic equation using square roots

J.6 Solve a quadratic equation by factoring

J.7 Complete the square

J.9 Solve a quadratic equation using the quadratic formula

J.12 Write a quadratic function from its zeros

K.4 Divide polynomials using long division

K.5 Divide polynomials using synthetic division

K.14 Match polynomials and graphs

L.4 Simplify radical expressions with variables I

L.9 Add and subtract radical expressions

L.13 Solve radical equations

R.11 Properties of logarithms: mixed review

N.4 Simplify rational expressions

N.5 Multiply and divide rational expressions

N.6 Add and subtract rational expressions

N.7 Solve rational equations

E.6 Solve a system of equations using substitution

E.8 Solve a system of equations using elimination

E.11 Solve a system of equations using any method: word problems

G.5 Add and subtract scalar multiples of matrices

G.6 Multiply two matrices

G.9 Solve matrix equations

O.5 Composition of linear functions: find an equation

O.11 Find inverse functions and relations

P.5 Transformations of functions

R.3 Convert between exponential and logarithmic form: all bases

R.11 Properties of logarithms: mixed review

S.4 Solve exponential equations using factoring

S.5 Solve exponential equations using common logarithms

S.7 Solve logarithmic equations I

X.1 Convert between radians and degrees

X.3 Graphs of angles

Y.1 Pythagorean Theorem and its converse

Y.2 Special right triangles

Y.3 Trigonometric ratios: sin, cos, and tan

Y.1 Pythagorean Theorem and its converse

Y.2 Special right triangles

Y.3 Trigonometric ratios: sin, cos, and tan

Y.14 Trigonometric ratios: find a side length

Y.15 Trigonometric ratios: find an angle measure

Y.16 Solve a right triangle

All sections are to be completed with a smart score of 65 or greater.