

# Rising Geometry

**Students Just completing Algebra 2**

**Minimum Smart Score of 65 Required**

- 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
- 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
- H.6** Add, subtract, multiply, and divide complex numbers
- I.5** Factor by grouping
- I.7** Factor polynomials
- J.5** Graph a quadratic function
- J.6** Solve a quadratic equation using square roots
- J.8** Solve a quadratic equation by factoring
- J.9** Complete the square
- J.11** Solve a quadratic equation using the quadratic formula
- J.14** 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
- N.4** Simplify rational expressions
- N.5** Multiply and divide rational expressions
- N.6** Add and subtract rational expressions
- N.7** Solve rational 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.12** 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.14** Trigonometric ratios: find a side length
- Y.15** Trigonometric ratios: find an angle measure
- Y.16** Solve a right triangle