

****Summer Work****
Students Just Completing Algebra 1
Select Algebra 1

- D.2** Solve percent equations
- E.1** Convert rates and measurements: customary units
- G.1** Coordinate plane review
- H.1** Properties of addition and multiplication
- I.8** Solve equations using order of operations
- J.6** Solve equations with variables on both sides
- J.7** Solve equations: complete the solution
- K.6** Solve one-step linear inequalities
- O.1** Word problems: mixed review
- Q.5** Identify functions: vertical line test
- Q.7** Evaluate a function
- S.4** Find the slope from two points
- S.6** Slope-intercept form: find the slope and y-intercept
- S.7** Slope-intercept form: graph an equation
- S.17** Write equations in standard form
- S.18** Standard form: find x- and y-intercepts
- S.20** Equations of horizontal and vertical lines
- S.21** Graph a horizontal or vertical line
- S.26** Write an equation for a parallel or perpendicular line
- T.3** Graph a two-variable linear inequality
- T.5** Is (x, y) a solution to the system of inequalities?
- U.2** Solve a system of equations by graphing
- U.8** Solve a system of equations using substitution
- U.10** Solve a system of equations using elimination
- V.3** Negative exponents
- V.6** Multiplication and division with exponents
- V.7** Power rule
- W.1** Convert between standard and scientific notation
- X.1** Evaluate an exponential function
- Y.4** Multiply and divide monomials
- Y.5** Powers of monomials
- Z.4** Add and subtract polynomials
- Z.8** Multiply two binomials
- Z.10** Multiply polynomials
- AA.4** Factor quadratics with leading coefficient 1
- AA.5** Factor quadratics with other leading coefficients
- AA.7** Factor by grouping
- BB.6** Solve a quadratic equation using square roots
- BB.7** Solve a quadratic equation using the zero-product property
- BB.8** Solve a quadratic equation by factoring
- BB.11** Solve a quadratic equation using the quadratic formula
- BB.12** Using the discriminant
- CC.1** Identify linear, quadratic, and exponential functions from graphs
- DD.2** Graph an absolute value function
- EE.8** Simplify radical expressions: mixed review
- FF.4** Solve radical equations I

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