

**\*\*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.7**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.3**Find the slope from two points

**S.5**Slope-intercept form: find the slope  
and y-intercept

**S.6**Slope-intercept form: graph an  
equation

**S.15**Write equations in standard form

**S.16**Standard form: find x- and y-  
intercepts

**S.18**Equations of horizontal and vertical  
lines

**S.19**Graph a horizontal or vertical line

**S.24**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.6**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.