By the end of Algebra 1, students will:

A1.1 Add, subtract, multiply, and divide algebraic expressions.  
(Standards 1 and 4)

A1.2 Express large and small numbers using scientific notation.  
(Standards 1, 4, and 6)

A1.3 Use prime factorization to find the LCM and GCF of a group of real numbers.  
(Standard 1, 4, and 6)

A1.4 Use order of operations to simplify arithmetic expressions.  
(Standards 1, 4, and 6)

A1.5 Evaluate algebraic expressions for real number values of the variables.  
(Standards 4 and 6)

A1.6 Use the distributive property to simplify algebraic expressions and to solve equations.  
(Standards 4 and 6)

A1.7 Factor quadratic polynomials as the product of two binomial factors and use this method to solve quadratic equations.  
(Standards 4 and 6)

A1.8 Solve systems of two equations in two unknowns using substitution and elimination.  
(Standards 4, and 6)

A1.9 Use properties of radicals to simplify real number radical expressions.  
(Standards 4 and 6)

A1.10 Solve word problems involving fractions, decimals, percents, and compare answer to estimate.  
(Standards 1, 4, and 6)

A1.11 Solve linear equations with real number coefficients.  
(Standards 4 and 6)

A1.12 Graph a linear equation by using the slope-intercept method.  
(Standards 4 and 6)

A1.13 Graph a linear equation by plotting points.  
(Standards 4 and 6)

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