

MATH Algebra 1

MATH.A1.1	Solving Equations and Inequalities: I can solve one variable equations and inequalities. (Including Absolute Value and Square Root equations.)
MATH.A1.2	Creating and Solving Linear Equations: I can create linear equations with two variables and use them to solve real world problems.
MATH.A1.3	Creating and Solving Linear Inequalities: I can create linear inequalities with two variables and use them to solve real world problems.
MATH.A1.4	Graphing Linear Equations: I can graph a linear function and label the key features given a table, equation, and situation.
MATH.A1.5	Solving Quadratics: I can solve a quadratic equation using the zero product property, taking the square roots, and using the quadratic formula.
MATH.A1.6	Graphing Quadratic Equations: I can graph a quadratic function and label key features
MATH.A1.7	Factoring: I can factor completely, with special cases, and by grouping. (including $a > 1$ terms)
MATH.A1.8	Laws of Exponents: I can apply the rules of exponents
MATH.A1.9	Recognizing Exponential Growth/Decay: I can identify and explain an exponential function as growth or decay. I understand the equivalence between fraction/decimal/percent and its effect on the multiplier
MATH.A1.10	Creating and Solving Exponential Equations: I can create an exponential equation given a graph, a table, or a situation and use it to solve a real world problem.
MATH.A1.11	Creating and Solving Systems of Equations: I can create and solve a system of equations using graphing, elimination or substitution and explain the solution
MATH.A1.12	Creating and Solving Systems of Inequalities: I can create and solve a system of inequalities in two variables and explain the solution set.
MATH.A1.13	Domain and Range and Viability: I can determine the domain and range of a relation and use it to determine if a solution is viable or non-viable.