

Algebra 1

Number & Operations	Measurement & Geometry	Data Analysis & Probability	Algebra
<p>1.01 Write equivalent forms of algebraic expressions to solve problems.</p> <p>a) Apply the laws of exponents.</p> <p>b) Operate with polynomials.</p> <p>c) Factor polynomials.</p> <p>1.02 Use formulas and algebraic expressions, including iterative and recursive forms, to model and solve problems.</p> <p>1.03 Model and solve problems using direct variation.</p>	<p>2.01 Find the lengths and midpoints of segments to solve problems.</p> <p>2.02 Use the parallelism or perpendicularity of lines and segments to solve problems.</p>	<p>3.01 Use matrices to display and interpret data.</p> <p>3.02 Operate (addition, subtraction, scalar multiplication) with matrices to solve problems.</p> <p>3.03 Create linear models for sets of data to solve problems.</p> <p>a) Interpret constants and coefficients in the context of the data.</p> <p>b) Check the model for goodness-of-fit and use the model, where appropriate, to draw conclusions or make predictions.</p>	<p>4.01 Use linear functions or inequalities to model and solve problems; justify results.</p> <p>a) Solve using tables, graphs, and algebraic properties.</p> <p>b) Interpret constants and coefficients in the context of the problem.</p> <p>4.02 Graph, factor, and evaluate quadratic functions to solve problems.</p> <p>4.03 Use systems of linear equations or inequalities in two variables to model and solve problems. Solve using tables, graphs, and algebraic properties; justify results.</p> <p>4.04 Graph and evaluate exponential functions to solve problems.</p>