

Algebra 2	
IN State Std	Analyzing Equations and Inequalities
	Graphing Technology: Expressions
A2.10.4	Expressions and Formulas
A2.10.4	Properties of Real Numbers
A2.1.8	Integration: Statistics, Graphs and Measures of Central Tendency
A2.10.4, A2.10.5	Solving Equations
	Graphing Technology: Using Tables to Estimate Solutions
A2.2	Solving Absolute Value Equations
A2.2.1	Solving Inequalities
A2.2.1	Solving Absolute Value Inequalities
	Graphing Linear Relations and Functions
A2.1.2	Relations and Functions
	Graphing Technology: Linear Equations
A2.1, A2.2	Linear Equations
	Graphing Technology: Using Graphs to Estimate Solutions
A2.1	Slope
A2.2	Writing Linear Equations
	Integration: Statistics, Modeling Real-World Data Using Scatter Plots
	Graphing Technology: Lines of Regression
A2.2.1	Special Functions
	Graphing Technology: Linear Inequalities
A2.2.1	Linear Inequalities
	Solving Systems of Linear Equations and Inequalities
A2.2.3	Graphing Technology: Systems of Equations
	Graphing Systems of Equations
A2.2.2	Solving Systems of Equations Algebraically
A2.2.2	Cramer's Rule
	Graphing Technology: Systems of Linear Inequalities
A2.2.1, A2.2.2	Graphing Systems of Inequalities
A2.2.1	Linear Programming
A2.2.3	Applications of Linear Programming
A2.2.2	Solving Systems of Equations in Three Variables
	Modeling Mathematics: Graphing Equations in Three Variables
	Using Matrices
	Graphing Technology: Matrices
A2.2.2	An Introduction of Matrices
A2.2.2	Adding and Subtracting Matrices
A2.2.2	Multiplying Matrices
A2.2.2	Matrices and Determinants
A2.2.2	Identity and Inverse Matrices
A2.2.2	Using Matrices to Solve Systems of Equations
A2.2.2	Using Augmented Matrices
	Graphing Technology: Matrix Row Operations
	Integration: Statistics, Box and Whisker Plots
	Exploring Polynomials and Radical Expressions
A2.5	Monomials

A2.5	Polynomials
A2.5.2	Dividing Polynomials
A2.5.3	Factoring
A2.3	Roots of Real Numbers
A2.3	Radical Expressions
A2.3, A2.6.1	Rational Exponents
A2.3.6	Solving Radical Equations and Inequalities
A2.3.1	Complex Numbers
A2.3.1	Simplifying Expressions Containing Complex Numbers
	Exploring Quadratic Functions and Inequalities
	Graphing Technology: Quadratic Functions
A2.3.4	Solving Quadratic Equations by Graphing
A2.3	Solving Quadratic Equations by Factoring
A2.3.3	Completing the Square
A2.3	The Quadratic Formula and the Discriminant
A2.3	Sum and Product of Roots
	Graphing Technology: Families of Parabolas
A2.3.4	Analyzing Graphs of Quadratic Functions
	Graphing Technology: Quadratic Inequalities
A2.3.4	Graphing and solving quadratic inequalities
	Integration: Statistics, Standard Deviation
	Integration: Statistics, The Normal Distribution
	Analyzing Conic Sections
A2.3.6	Integration: Geometry, The Distance and Midpoint Formulas
A2.4.1, A2.4.2	Parabolas
A2.4.1, A2.4.2	Circles
	Modeling Mathematics: Drawing Ellipses
A2.4.1, A2.4.2	Ellipses
A2.4.1, A2.4.2	Hyperbolas
	Graphing Technology: Conic Sections
A2.4.1, A2.4.2	Conic Sections
	Modeling Mathematics: Conic Sections
	Graphing Technology: Solving Quadratic Systems
	Solving Quadratic Systems
	Exploring Polynomial Functions
A2.1.2	Polynomial Functions
A2.5.2	The Remainder and Factor Theorems
	Graphing Technology: Polynomial Functions
A2.1.5, A2.5.4	Graphing Polynomial Functions and Approximating Zeros
	Graphing Technology: Modeling Real-World Data
	Solve problems using Graphs
A2.1.5, A2.5.6	Roots and Zeros
A2.1.5, A2.5.7	Rational Zero Theorem
A2.5.3	Using Quadratic Techniques to Solve Polynomial Equations
A2.5	Composition of Functions
	Modeling Mathematics: Exploring Iteration
A2.1.3	Inverse Functions and Relations
A2.3.6	Square Root Functions and Relations

