

Big Ideas Math ©2019
Learning Targets and Success Criteria
Algebra 1

Chapter	Learning Target	Success Criteria
Chapter 1: Solving Linear Equations	Understand solving linear equations.	<ul style="list-style-type: none"> • I can describe how to solve simple equations. • I can solve multi-step equations. • I can solve absolute value equations. • I can rewrite equations and formulas.
Chapter 2: Solving Linear Inequalities	Understand solving linear inequalities.	<ul style="list-style-type: none"> • I can graph inequalities. • I can solve one-step inequalities. • I can solve multi-step inequalities. • I can solve compound and absolute value inequalities.
Chapter 3: Graphing Linear Functions	Understand graphing linear functions.	<ul style="list-style-type: none"> • I can determine whether relations are functions. • I can identify linear functions. • I can graph linear equations. • I can describe transformations of graphs of linear functions.
Chapter 4: Writing Linear Functions	Understand writing linear functions.	<ul style="list-style-type: none"> • I can identify and write different forms of linear equations. • I can interpret scatter plots and identify the correlation between data sets. • I can analyze lines of fit. • I can write a function that represents an arithmetic sequence to solve real-life problems.
Chapter 5: Solving Systems of Linear Equations	Understand solving systems of linear equations.	<ul style="list-style-type: none"> • I can define a system of linear equations. • I can describe different methods for solving systems of linear equations. • I can solve systems of linear equations. • I can solve systems of linear inequalities.

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Chapter 6: Exponential Functions and Sequences	Understand exponential functions and sequences.	<ul style="list-style-type: none"> • I can identify and use properties of exponents. • I can model exponential functions. • I can solve exponential equations. • I can write an explicit and a recursive rule for a geometric sequence.
Chapter 7: Polynomial Equations and Factoring	Understand polynomial equations and factoring.	<ul style="list-style-type: none"> • I can classify polynomials by degree and number of terms. • I can add, subtract, and multiply polynomials. • I can solve polynomial equations. • I can factor polynomials and use factoring to solve real-life problems.
Chapter 8: Graphing Quadratic Functions	Understand graphing quadratic functions.	<ul style="list-style-type: none"> • I can identify characteristics of quadratic functions. • I can describe how to graph quadratic functions in different forms. • I can use intercept form to find zeros of functions. • I can choose an appropriate function to model data.
Chapter 9: Solving Quadratic Equations	Understand solving quadratic equations.	<ul style="list-style-type: none"> • I can simplify expressions using properties of radicals. • I can describe different methods for solving quadratic equations. • I can solve quadratics equations. • I can solve systems of nonlinear equations graphically and algebraically.
Chapter 10: Radical Functions and Equations	Understand radical functions and equations.	<ul style="list-style-type: none"> • I can identify the domain and range of radical functions. • I can graph square root and cube root functions. • I can solve radical equations. • I can find inverses of relations and functions.
Chapter 11: Data Analysis and Displays	Understand data.	<ul style="list-style-type: none"> • I can interpret data displays. • I can describe the shapes of data distributions. • I can represent data in different ways. • I can analyze data.