

Knowre Math: **Algebra 1** Curriculum

Chapter 1 Basics of Algebra

Lesson	Topic	TEKS
1-1 Classifying Numbers	A) Identifying Types of Numbers	8.2.A
	B) Number Sets	8.2.A
1-2 Order of Operations	A) Expressions with Exponents	7.3.A, A1.11.A
	B) Expressions with Grouping Symbols	7.3.A, A1.11.A
1-3 Parts of Algebraic Expressions	A) Variables	
	B) Terms	
	C) Coefficients	
1-4 Expressions and Equations	A) Identifying Expressions and Equations	6.7.B
	B) Writing Expressions and Equations	6.7.B
1-5 Simplifying Expressions	A) Like Terms	
	B) Multiplying Terms with Different Variables	
1-6 Distributive Property	A) Distributive Property to Simplify Expressions	A1.10.D
	B) Order of Operations with Variable Expressions	A1.10.D
1-7 Relations	A) Identifying Relations	A1.2.A
	B) Domain	A1.2.A
	C) Range	A1.2.A
1-8 Functions	A) Identifying Functions	A1.2.A, A1.12.A
	B) Identifying Inputs and Outputs of Functions	A1.2.A, A1.12.A
1-9 Function Notation	A) Writing Function Notation	A1.12.A, A1.12.B
	B) Input and Output in Function Notation	A1.12.A, A1.12.B
	C) Evaluating Equations Written in Function Notation	A1.12.A, A1.12.B

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Chapter 2 Solving Equations

Lesson	Topic	TEKS
2-1 One-Step and Two-Step Equations	A) Solutions of One-Variable Equations	A1.5.A
	B) Solving One-Step Equations	A1.5.A
	C) Solving Two-Step Equations	A1.5.A
2-2 Multi-Step Equations	A) Solving Multi-Step Equations	A1.5.A
	B) Equations with Zero, One, or Many Solutions	A1.5.A
2-3 Equations with Rational Numbers	A) Solving Equations with Rational Coefficients	A1.5.A
	B) Solving Equations with Grouping Symbols	A1.5.A
2-4 Proportions	A) Writing Proportions	A1.5.A
	B) Solving Proportions	A1.5.A
	C) Proportions with Zero, One, or Many Solutions	A1.5.A
2-5 Literal Equations	A) Solving One-Step Literal Equations	A1.12.E
	B) Solving Two-Step Literal Equations	A1.12.E
	C) Solving Multi-Step Literal Equations	A1.12.E
2-6 Absolute Value Equations	A) Solving Absolute Value Equations with Single Variable Inside Absolute Value	A1.A.CED.1, A1.A.CED.3, A1.A.REI.1
	B) Solving Absolute Value Equations with Linear Expression Inside Absolute Value	A1.A.CED.1, A1.A.CED.3, A1.A.REI.1
	C) Writing Absolute Value Equations	A1.A.CED.1

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Chapter 3 Linear Functions

Lesson	Topic	TEKS
3-1 Direct Variation	A) Graphs and Tables of Direct Variation	A1.2.B, A1.2.C, A1.3.C, A1.2.D
	B) Writing and Graphing Equations of Direct Variation	A1.2.B, A1.2.C, A1.3.C, A1.2.D
3-2 Standard Form of Linear Functions	A) Solutions of Two-Variable Equations	A1.2.B, A1.2.C, A1.3.C
	B) Linear Equations in Standard Form	A1.2.B, A1.2.C, A1.3.C
	C) x- and y-Intercepts	A1.2.B, A1.2.C, A1.3.C
3-3 Rate of Change	A) Rate of Change Equations	A1.2.C, A1.3.B
	B) Finding Rate of Change	A1.2.C, A1.3.B
3-4 Slope	A) Classifying Slopes of Lines	A1.2.C, A1.3.A, A1.3.C
	B) Slopes of Lines from Graphs	A1.2.C, A1.3.A, A1.3.C
	C) Slopes of Lines from Points	A1.2.C, A1.3.A, A1.3.C

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Chapter 3 Linear Functions (cont...)

Lesson	Topic	TEKS
3-5 Point-Slope Form	A) Linear Equations in Point-Slope Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
	B) Writing Equations in Point-Slope Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
	C) Graphing Equations in Point-Slope Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
3-6 Slope-Intercept Form	A) Linear Equations in Slope-Intercept Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
	B) Identifying the Slope and y-Intercept from Equations in Slope-Intercept Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
	C) Writing and Graphing Equations in Slope-Intercept Form	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E
	D) Point-Slope and Slope-Intercept Forms	A1.2.B, A1.2.C, A1.3.A, A1.3.C, A1.3.E

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3-7 Horizontal and Vertical Lines	A) Slopes of Horizontal and Vertical Lines	A1.2.G, A1.3.A, A1.3.C
	B) Graphing Equations of Horizontal and Vertical Lines	A1.2.G, A1.3.A, A1.3.C
	C) Writing Equations of Horizontal and Vertical Lines	A1.2.G, A1.3.A, A1.3.C
3-8 Parallel and Perpendicular Lines	A) Slopes of Parallel Lines	A1.2.B, A1.2.C, A1.2.G, A1.3.A, A1.3.C, A1.2.E, A1.2.F, G.2.C
	B) Equations of Parallel Lines Through Given Points	A1.2.B, A1.2.C, A1.2.G, A1.3.A, A1.3.C, A1.2.E, A1.2.F, G.2.C
	C) Slopes of Perpendicular Lines	A1.2.B, A1.2.C, A1.2.G, A1.3.A, A1.3.C, A1.2.E, A1.2.F, G.2.C
	D) Equations of Perpendicular Lines Through Given Points	A1.2.B, A1.2.C, A1.2.G, A1.3.A, A1.3.C, A1.2.E, A1.2.F, G.2.C

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Chapter 3 Linear Functions (cont...)

Lesson	Topic	TEKS
3-9 Scatter Plots and Lines of Fit	A) Scatter Plots	8.5.C, 8.5.D, 8.11.A, A1.4.C
	B) Lines of Fit	8.5.C, 8.5.D, 8.11.A, A1.4.C
	C) Making Predictions with Lines of Fit	8.5.C, 8.5.D, 8.11.A, A1.4.C
3-10 Residuals and Correlation	A) Residuals and Residual Plots	A1.4.A, A1.4.B
	B) Correlation Coefficients	A1.4.A, A1.4.B
	C) Correlation and Causation	A1.4.A, A1.4.B
3-11 Inverse Relations	A) Finding the Inverse of Sets of Points	A2.2.B
	B) Graphing Inverses	A2.2.B
	C) Inverses in Function Notation	A2.2.B

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Chapter 4 Solving Inequalities

Lesson	Topic	TEKS
4-1 One-Step and Two-Step Inequalities	A) Solutions of One-Variable Inequalities	A1.5.B
	B) Solving One-Step Inequalities	A1.5.B
	A1.5.B	A1.5.B
4-2 Multi-Step Inequalities	A) Solving Multi-Step Inequalities	A1.5.B
	B) Inequalities with Zero, Many, or Infinite Solutions	A1.5.B
	C) Graphing Solutions of Multi-Step Inequalities	A1.5.B
4-3 Inequalities with Rational Numbers	A) Solving Inequalities with Rational Coefficients	A1.5.B
	B) Solving Inequalities with Grouping Symbols	A1.5.B
4-4 Graphing and Writing Compound Inequalities	A) Graphing Compound Inequalities	A1.5.B
	B) Writing Compound Inequalities from Graphs	A1.5.B
	C) Graphing Special Cases of Compound Inequalities	A1.5.B
4-5 Solving Compound Inequalities	A) Solutions of Compound Inequalities	A1.5.B
	B) Solving Compound Inequalities	A1.5.B
	C) Graphing Solutions of Compound Inequalities	A1.5.B
4-6 Absolute Value Inequalities	A) Solutions of Absolute Value Inequalities	A2.6.F
	B) Writing Absolute Value Inequalities as Compound Inequalities	A2.6.F
	C) Solving Absolute Value Inequalities by Writing Them as Compound Inequalities	A2.6.F
	D) Graphing Absolute Value Inequalities by Writing Them as Compound Inequalities	A2.6.F
4-7 Solving Absolute Value Inequalities	A) Solving Absolute Value Inequalities with Single Variable Inside Absolute Value	A2.6.F
	B) Solving Absolute Value Inequalities with Linear Expression Inside Absolute Value	A2.6.F

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Chapter 4 Solving Inequalities (cont...)

Lesson	Topic	TEKS
4-8 Linear Inequalities	A) Solutions of Two-Variable Inequalities	A1.2.H, A1.3.D
	B) Graphing Linear Inequalities	A1.2.H, A1.3.D
	C) Writing Linear Inequalities	A1.2.H, A1.3.D

Chapter 5 Systems of Linear Equations and Inequalities

Lesson	Topic	TEKS
5-1 Solutions of Systems of Equations	A) Solutions of Systems of Linear Equations	A1.3.G
	B) Graphs of Systems of Equations and the Number of Solutions	A1.3.G
5-2 Graphing to Solve Systems of Equations	A) Graphing Systems of Linear Equations	A1.3.F, A1.3.G, A1.5.C
	B) Graphing to Solve Systems of Linear Equations	A1.3.F, A1.3.G, A1.5.C
5-3 Using Substitution to Solve Systems of Equations	A) Substitution to Solve Systems of Linear Equations with One Variable Isolated	A.1.5.C
	B) Substitution to Solve Systems of Linear Equations After Isolating a Variable	A.1.5.C

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Chapter 5 Systems of Linear Equations and Inequalities (cont...)

Lesson	Topic	TEKS
5-4 Using Elimination to Solve Systems of Equations	A) Addition or Subtraction Property of Equality to Eliminate a Variable	A.1.5.C
	B) Multiplication and Addition or Subtraction Property of Equality to Eliminate a Variable	A.1.5.C
5-5 Systems of Linear Inequalities	A) Solutions of Systems of Linear Inequalities	A1.2.H, A1.2.I, A1.3.D, A1.3.H
	B) Graphing Systems of Linear Inequalities	A1.2.H, A1.2.I, A1.3.D, A1.3.H
	C) Writing Systems of Linear Inequalities	A1.2.H, A1.2.I, A1.3.D, A1.3.H

Chapter 6 Exponents and Exponential Functions

Lesson	Topic	TEKS
6-1 Integer Exponents	A) Numerical Expressions with Nonpositive Integer Exponents	A1.11.B
	B) Variable Expressions with Nonpositive Integer Exponents	A1.11.B
6-2 Product of Powers Property	A) Expanding Expressions to Show the Product of Powers Property	A1.11.B
	B) Simplify Expressions with the Product of Powers Property	A1.11.B
6-3 Quotient of Powers Property	A) Expanding Expressions to Show the Quotient of Powers Property	A1.11.B
	B) Simplifying Expressions with the Quotient of Powers Property	A1.11.B
6-4 Combining Product and Quotient of Powers Properties	A) Simplifying Products with the Product and Quotient of Power Properties	A1.11.B
	B) Simplifying Quotients with the Product and Quotient of Power Properties	A1.11.B

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Chapter 6 Exponents and Exponential Functions (cont...)

Lesson	Topic	TEKS
6-5 Power of Power Property	A) Expanding Expressions to Show the Power of Power Property	A1.11.B
	B) Simplifying Expressions with the Power of Power Property	A1.11.B
6-6 Power of Product Property	A) Expanding Expressions to Show the Power of Product Property	A1.11.B
	B) Simplifying Expressions with the Power of Product Property	A1.11.B
6-7 Power of Quotient Property	A) Expanding Expressions to Show the Power of Quotient Property	A1.11.B
	B) Simplifying Expressions with the Power of Quotient Property	A1.11.B
6-8 Combining All Exponent Properties	A) Simplifying Expressions Using Two to Three Exponent Properties	A1.11.B
	B) Simplifying Expressions Using Three to Four Exponent Properties	A1.11.B
	C) Simplifying Expressions Using All Exponent Properties	A1.11.B
6-9 Solving Exponential Equations	A) Solutions of Exponential Equations	
	B) Exponential Equations with Equivalent Bases	
	C) Exponential Equations with Different Bases	

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Chapter 7 Arithmetic and Geometric Sequences

Lesson	Topic	TEKS
7-1 Introduction to Sequences	A) Sequences	A1.12.D
	B) Terms of Sequences	A1.12.D
	C) Types of Sequences	A1.12.D
7-2 Arithmetic Sequences	A) Finding Common Differences from Terms of Arithmetic Sequences	A1.12.D
	B) Extending Arithmetic Sequences	A1.12.D
	C) Writing Terms of Arithmetic Sequences from Terms and Common Differences	A1.12.D
7-3 Recursive Formulas of Arithmetic Sequences	A) Parts of Recursive Formulas of Arithmetic Sequences	A1.12.C, A1.12.D
	B) Writing Terms of Arithmetic Sequences from Recursive Formulas	A1.12.C, A1.12.D
	C) Writing Recursive Formulas for Arithmetic Sequences	A1.12.C, A1.12.D
7-4 Explicit Formulas of Arithmetic Sequences	A) Parts of Explicit Formulas of Arithmetic Sequences	A1.12.D
	B) Writing and Evaluating Explicit Formulas of Arithmetic Sequences	A1.12.D
	C) Converting Between Explicit and Recursive Formulas of Arithmetic Sequences	A1.12.D
7-5 Geometric Sequences	A) Finding Common Ratios from Terms of Geometric Sequences	A1.12.D
	B) Extending Geometric Sequences	A1.12.D
	C) Writing Terms of Geometric Sequences from Terms and Common Ratios	A1.12.D
7-6 Recursive Formulas of Geometric Sequences	A) Parts of Recursive Formulas of Geometric Sequences	A1.12.C, A1.12.D
	B) Writing Terms of Geometric Sequences from Recursive Formulas	A1.12.C, A1.12.D
	C) Writing Recursive Formulas for Geometric Sequences	A1.12.C, A1.12.D

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Chapter 7 Arithmetic and Geometric Sequences (cont...)

Lesson	Topic	TEKS
7-7 Explicit Formulas of Geometric Sequences	A) Parts of Explicit Formulas of Geometric Sequences	A1.12.D
	B) Writing and Evaluating Explicit Formulas of Geometric Sequences	A1.12.D
	C) Converting Between Explicit and Recursive Formulas of Geometric Sequences	A1.12.D
7-8 Exponential Functions	A) Solutions of Exponential Functions	A1.9.A, A1.9.B, A1.9.C, A1.9.D
	B) Equations of Exponential Functions	A1.9.A, A1.9.B, A1.9.C, A1.9.D
	C) Graphs of Exponential Functions	A1.9.A, A1.9.B, A1.9.C, A1.9.D
7-9 Exponential Growth and Decay	A) Classifying Graphs and Equations as Exponential Growth or Decay	A1.9.A, A1.9.B, A1.9.C, A1.9.D
	B) Equations of Exponential Growth or Decay	A1.9.A, A1.9.B, A1.9.C, A1.9.D
	C) Writing and Evaluating Exponential Growth and Decay Equations	A1.9.A, A1.9.B, A1.9.C, A1.9.D

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Chapter 8 Roots and Square Root Functions

Lesson	Topic	TEKS
8-1 Square Roots of Whole Numbers	A) Square Roots of Perfect Squares	A1.11.A
	B) Product Property of Square Roots	A1.11.A
	C) Square Roots of Whole Numbers Written in Prime Factored Form	A1.11.A
	D) Square Roots of Whole Numbers	A1.11.A
8-2 Square Roots of Variable Expressions	A) Square Roots of Single Variables Raised to Even Powers	
	B) Square Roots of Single Variables Raised to Odd Powers	
	C) Square Roots of Monomial Expressions with Two or More Factors	
8-3 Adding and Subtracting Square Roots	A) Adding and Subtracting Simplified Square Roots	A1.11.A
	B) Adding and Subtracting Square Roots After Simplifying	A1.11.A
8-4 Products of Square Roots	A) Simplifying a Product of Square Roots with Prime Factorized Radicands	A1.11.A
	B) Simplifying a Product of Square Roots with Whole Number Radicands	A1.11.A
8-5 Quotients of Square Roots	A) Simplifying a Fraction with at Least One Square Root without Needing to Rationalize the Denominator	A1.11.A
	B) Simplifying Square Roots of Fractions without Needing to Rationalize the Denominator	A1.11.A
	C) Simplifying a Fraction of Square Roots without Needing to Rationalize the Denominator	A1.11.A
	D) Simplifying Square Roots of Fractions and Fractions of Square Roots with Multipliers	A1.11.A
8-6 Rationalizing Square Roots	A) Finding the Value Needed to Rationalize a Denominator	A1.11.A
	B) Simplifying a Fraction of Square Roots	A1.11.A
	C) Simplifying Square Roots of Fractions	A1.11.A

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Chapter 8 Roots and Square Roots Functions (cont...)

Lesson	Topic	TEKS
8-7 Rational Exponents and nth Roots	A) Writing Roots as Rational Exponents	A1.11.B
	B) Writing Rational Exponents as nth Roots	A1.11.B
8-8 Simplifying Rational Exponents and nth Roots	A) Evaluating Expressions with Rational Exponents	A1.11.B
	B) Evaluating Expressions with nth Roots	A1.11.B

Chapter 9 Polynomials

Lesson	Topic	TEKS
9-1 Introduction to Polynomials	A) Terms of Polynomials	
	B) Degree of Polynomials	
	C) Standard Form of Polynomials	
	D) Leading Coefficients	
9-2 Modeling Polynomial Addition and Subtraction	A) Using Algebra Tiles to Model Polynomials	A1.10.A
	B) Using Algebra Tiles to Add Polynomials	A1.10.A
	C) Using Algebra Tiles to Subtract Polynomials	A1.10.A
9-3 Adding and Subtracting Polynomials	A) Adding Polynomials	A1.10.A
	B) Subtracting Polynomials	A1.10.A
	C) Adding and Subtracting Polynomials	A1.10.A
9-4 Modeling Polynomial Multiplication	A) Using Algebra Tiles to Multiply a Monomial and Binomial	A1.10.D, A1.10.B
	B) Using Algebra Tiles to Multiply Two Binomials	A1.10.D, A1.10.B
9-5 Using Tables to Multiply Polynomials	A) Completing Tables for Polynomial Multiplication	A1.10.D, A1.10.B
	B) Using a Table to Multiply a Monomial and Polynomial	A1.10.D, A1.10.B
	C) Using a Table to Multiply Polynomials with Two or More Terms	A1.10.D, A1.10.B

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Chapter 9 Polynomials (cont...)

Lesson	Topic	TEKS
9-6 Multiplying Polynomials	A) Multiplying Two Polynomials	A1.10.D, A1.10.B
	B) Multiplying Three or More Polynomials	A1.10.D, A1.10.B
9-7 Special Products	A) Squares of Sums	A1.10.B
	B) Squares of Differences	A1.10.B
	C) Products of Binomial Conjugates	A1.10.B

Chapter 10 Factoring

Lesson	Topic	TEKS
10-1 Greatest Common Factors	A) Identifying Factors	
	B) Finding Greatest Common Factors	
10-2 Using Greatest Common Factors to Factor	A) Using Algebra Tiles to Factor Common Factors from Polynomial Expressions	A1.10.D, A1.10.E
	B) Factoring Common Factors from Polynomial Expressions	A1.10.D, A1.10.E
	C) Factoring -1 From Polynomial Expressions	A1.10.D, A1.10.E
10-3 Factoring by Grouping	A) Using Algebra Tiles to Factor Polynomials with Four Terms	A1.10.D, A1.10.E
	B) Factoring Polynomials with Four Terms by Grouping	A1.10.D, A1.10.E
10-4 Factoring Quadratics with Leading Coefficients of One	A) Using Algebra Tiles to Factor Quadratic Trinomials	A1.10.E
	B) Factoring Quadratics with Leading Coefficients of One	A1.10.E
10-5 Factoring Trinomials with Leading Coefficients Not One	A) Factoring Quadratics with Leading Coefficients Not Equal to One	A1.10.E
	B) Factoring a Polynomial into a Monomial and Two Binomial Factors	A1.10.E
	C) Determining if Quadratics are Factorable	A1.10.E
10-6 Special Cases in Factoring Polynomials	A) Factoring Differences of Squares	A1.10.E, A1.10.F
	B) Factoring Perfect Square Trinomials	A1.10.E, A1.10.F

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Chapter 11 Quadratic Equations and Functions

Lesson	Topic	TEKS
11-1 Parabolas	A) Graphs of Quadratic Functions	A1.7.A
	B) Key Features of Parabolas	A1.7.A
	C) Relationship Between the Vertex and the x-Intercepts of Parabolas	A1.7.A
11-2 Standard Form of Quadratic Functions	A) Equations of Quadratic Functions in Standard Form	A1.6.A, A1.7.A
	B) Key Features of Quadratic Functions from Equations	A1.6.A, A1.7.A
	C) Graphing Quadratic Functions from Equations in Standard Form	A1.6.A, A1.7.A
11-3 Solving Quadratic Equations by Graphing	A) Solutions of Quadratic Equations	A1.7.A, A1.8.A
	B) Connection Between Quadratic Functions and Their Related Equations	A1.7.A, A1.8.A
	C) Solving Quadratic Equations by Graphing	A1.7.A, A1.8.A
11-4 Solving Quadratic Equations by Factoring	A) Solving Factored Quadratic Equations	A1.7.B, A1.8.A
	B) Solving Quadratic Equations in Standard Form by Factoring	A1.7.B, A1.8.A
	C) Solving Quadratic Equations in Nonstandard Form by Factoring	A1.7.B, A1.8.A

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Chapter 11 Quadratic Equations and Functions (cont...)

Lesson	Topic	TEKS
11-5 Using Square Roots to Solve Quadratic Equations	A) Solving Quadratic Equations with Squared Variable	A1.8.A
	B) Solving Quadratic Equations with Squared Linear Expressions	A1.8.A
11-6 Solving Quadratic Equations by Completing the Square	A) Perfect Square Trinomials	A1.8.A
	B) Solving Quadratic Equations by Completing the Square	A1.8.A
11-7 Using the Quadratic Formula to Solve Quadratic Equations	A) Writing the Quadratic Formula	A1.8.A
	B) Solving Quadratic Equations in Standard Form with the Quadratic Formula	A1.8.A
	C) Solving Quadratic Equations in Nonstandard Form with the Quadratic Formula	A1.8.A
11-8 Discriminants of Quadratic Equations	A) Finding Discriminants	A1.8.A
	B) Relationship Between Discriminants and Number of Real Solutions	A1.8.A
	C) Relationship Between Discriminants and Graphs of Quadratic Functions	A1.8.A

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Chapter 12 Functions and Transformations

Lesson	Topic	TEKS
12-1 Piecewise Functions	A) Graphing Functions on a Given Domain	A1.2.A
	B) Graphing Piecewise Functions	A1.2.A
	C) Writing Equations of Piecewise Functions	A1.2.A
12-2 Step Functions	A) Evaluating Floor and Ceiling Functions	
	B) Graphs of Step Functions	
12-3 Parent Functions	A) Graphing Parent Functions	A1.7.A
	B) Writing Equations of Parent Functions	A1.7.A
12-4 Translations	A) Identifying Vertical or Horizontal Translations of Parent Functions from Graphs and Equations	A1.7.A, A1.7.C
	B) Identifying Translations of Parent Functions from Graphs and Equations	A1.7.A, A1.7.C
	C) Graphing Translated Parent Functions from Equations	A1.7.A, A1.7.C
	D) Writing Equations of Translated Parent Functions from Graphs	A1.7.A, A1.7.C

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Chapter 12 Functions and Transformations (cont...)

Lesson	Topic	TEKS
12-5 Reflections	A) Graphing Reflected Parent Functions	A1.7.A, A1.7.C
	B) Writing Equations of Reflected Parent Functions	A1.7.A, A1.7.C
12-6 Dilations	A) Identifying Vertical Dilation Factors from Graphs and Equations	A1.7.A, A1.7.C
	B) Identifying Horizontal Dilation Factors from Graphs and Equations	A1.7.A, A1.7.C
	C) Graphing Dilated Quadratic and Absolute Value Functions	A1.7.A, A1.7.C
	D) Comparing Dilation Factors	A1.7.A, A1.7.C
12-7 Transformations and Vertex Form	A) Graphing and Writing Equations of Transformed Quadratic and Absolute Value Functions	A1.6.B, A1.6.C, A1.7.A, A1.7.C
	B) Relationship Between the Vertices of Quadratic and Absolute Value Functions and Their Equations	A1.6.B, A1.6.C, A1.7.A, A1.7.C
	C) Vertex Form of Quadratic Equations	A1.6.B, A1.6.C, A1.7.A, A1.7.C

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Chapter 13 Statistics and Probability

Lesson	Topic	TEKS
13-1 Measures of Center	A) Mean	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	B) Median	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
13-2 Measures of Spread	A) Range	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	B) Standard Deviation	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	C) IQR	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
13-3 Outliers	A) Effects of Outliers	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	B) Identifying Outliers	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	C) Identifying a Box Plot from a Data Set	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
13-4 Distributions of Data	A) Shapes of Data Displays	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	B) Shape and Measures of Center	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	C) Effects of Changes in Data Set on Values of Measures of Center and Spread	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3
	D) Using Shapes of Data Displays to Compare Measures of Center	A1.S.ID.1, A1.S.ID.2, A1.S.ID.3

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Chapter 13 Statistics and Probability

Lesson	Topic	TEKS
13-5 Two-Way Tables	A) Parts of Two-Way Tables	8.SP.4, A1.S.ID.5
	B) Reading Two-Way Tables	8.SP.4, A1.S.ID.5
	C) Finding Missing Joint and Marginal Frequencies	8.SP.4, A1.S.ID.5
13-6 Relative and Conditional Frequency	A) Identifying Types of Frequency Tables	8.SP.4, A1.S.ID.5
	B) Using Two-Way Tables to Calculate Probabilities	8.SP.4, A1.S.ID.5
	C) Finding Missing Conditional and Relative Frequencies	8.SP.4, A1.S.ID.5