



**Bluebonnet
Learning**

Secondary Mathematics

EDITION 1

Algebra I

Standards Overview

Acknowledgment

Thank you to all the Texas educators and stakeholders who supported the review process and provided feedback. These materials are the result of the work of numerous individuals, and we are deeply grateful for their contributions.

Notice

These learning resources have been built for Texas students, aligned to the Texas Essential Knowledge and Skills, and are made available pursuant to Chapter 31, Subchapter B-1 of the Texas Education Code.

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ALGEBRA I STANDARDS OVERVIEW

TEKS covered at the lesson level are shown in **course color**. Additional TEKS covered in Skills Practice are shown in black.

| | | Linear Functions, Equations, and Inequalities | Quadratic Functions and Equations | Exponential Functions and Equations | Number and Algebraic Methods |
|---|---|--|---|---|---|
| MODULE 1: Searching for Patterns | TOPIC 1: Quantities and Relationships | A.2A (E)A.2A A.3C (E)A.3C (P)A.5A | A.6A (E)A.7A A.7A | A.9A A.9D | A.12A |
| | TOPIC 2: Sequences | A.2A A.3C | A.7A | A.9A A.9D | A.12A (P)A.12C A.12C (E)A.12C A.12D (P)A.12D (E)A.12D |
| MODULE 2: Exploring Constant Change | TOPIC 1: Linear Functions | A.2A (E)A.2B A.2B (E)A.2C A.2C (E)A.3B A.2D (E)A.4C A.3A A.5A A.3B A.5B A.3C A.3E A.3F A.4A A.4B A.4C | | | A.12A (E)A.10A A.12B A.12C A.12D |
| | TOPIC 2: Transforming and Comparing Linear Functions | A.2A (E)A.2C A.2C (E)A.2F A.2E A.3B A.2F (E)A.3C A.2G (E)A.3E A.3A A.4A A.3C A.4B A.3E A.4C | | | A.12B A.12A A.12D |

Bold TEKS = Readiness Standard (P) = Prerequisite for TEKS (E) = Extension of TEKS

ALGEBRA I STANDARDS OVERVIEW

| | | Linear Functions, Equations, and Inequalities | Quadratic Functions and Equations | Exponential Functions and Equations | Number and Algebraic Methods |
|--|--|--|---|---|--|
| MODULE 3: Modeling Linear Equations and Inequalities | TOPIC 1: Linear Equations and Inequalities | A.2B A.2C A.3A A.5A A.5B | A.2C A.3B A.3C A.3E (E)A.5A (E)A.5B | | A.12E A.12A A.12B (E)A.12E |
| | TOPIC 2: Systems of Linear Equations and Inequalities | A.2A A.2C A.2H A.2I A.3D A.3F A.3G A.3H A.5C | A.2B A.2G (E)A.2I A.3A A.3C (P)A.3D (E)A.3D (E)A.3F A.4A A.4C A.5A A.5B (E)A.5C | | A.12E |
| MODULE 4: Investigating Growth and Decay | TOPIC 1: Introduction to Exponential Functions | | A.2D A.2H A.3A A.5C | A.9A A.9B A.9C A.9D | (E)A.9D A.11A A.11B A.12B A.12C A.12D |
| | TOPIC 2: Using Exponential Equations | A.3B A.3C | (E)A.4C (E)A.5D | A.9A A.9B A.9C A.9D A.9E | (P)A.9B (E)A.9B (E)A.9C (E)A.9E A.11B A.12B |

Bold TEKS = Readiness Standard (P) = Prerequisite for TEKS (E) = Extension of TEKS

ALGEBRA I STANDARDS OVERVIEW

| | | Linear Functions, Equations, and Inequalities | Quadratic Functions and Equations | Exponential Functions and Equations | Number and Algebraic Methods |
|---|---|---|---|--|---|
| MODULE 5: Maximizing and Minimizing | TOPIC 1: Introduction to Quadratic Functions | A.2B A.2H A.3E A.3H A.5C | A.6A A.6B A.6C A.7A A.7C | (P) A.7A (E) A.7A A.7B (E) A.7C | A.10A A.11B A.12A A.12E |
| | TOPIC 2: Polynomial Operations | | | A.6A A.7A A.7B A.7C | A.9D A.10A (P) A.10B (E) A.10C (P) A.10D (E) A.10C (E) |
| | TOPIC 3: Solving Quadratic Equations | (E)A.4C | A.6A A.7A A.7B A.7C A.8A A.8B | (E)A.6C (E) A.7A (E) A.7C (P) A.8A (E) A.8A (E) A.8B | A.10E A.10B A.10F (E) A.11A A.10D (E)A.12B |

Bold TEKS = Readiness Standard (P) = Prerequisite for TEKS (E) = Extension of TEKS

NOTE: TEKS outside of Algebra I are strategically included in select Skills Practice sets to support student learning.

Grade 7: 7.4D

Grade 8: 8.4A, 8.5F

Algebra II: 2A.2A, 2A.3B, 2A.3E, 2A.3F, 2A.5D

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