

MATH I – TOPICS

Unit 1 - Equations and Introduction to Functions

Lesson 1: One-step equations

Lesson 2: Two-step equations

Lesson 3: Multi-step equations

Lesson 4: Absolute value equations

Lesson 5: Mixture word problems

Lesson 6: Distance, rate, time word problems

Lesson 7: Work word problems

Lesson 8: Literal equations

Unit 2 - Linear functions

Lesson 1: Slope

Lesson 2: More on slope

Lesson 3: Graphing linear equations

Lesson 4: Writing linear equations

Lesson 5: Graphing linear inequalities

Lesson 6: Graphing absolute value equations

Unit 3 - Introduction to exponential functions

Lesson 1: Introductory Terms and Symbols

Lesson 2: Properties of Exponents

Lesson 3: Graphing Exponential functions

Lesson 4: Writing scientific notation

Lesson 5: Operations and scientific notation

Unit 4 - Introduction to quadratic functions and equations

Lesson 1: Graphing

Lesson 2: Solving equations by taking square roots

Lesson 3: Solving equations by factoring

Lesson 4: Solving equations with the Quadratic Formula

Lesson 5: Understanding the discriminant

Lesson 6: Completing the square by finding the constant

Lesson 7: Solving equations by completing the square

Unit 5 -System of equations and inequalities

Lesson 1: Solving by graphing

Lesson 2: Solving by elimination

Lesson 3: Solving by substitution

Lesson 4: Graphing systems of inequalities

Lesson 5: Word problems

Unit 6 - Descriptive Statistics

Lesson 1: Visualizing data

Lesson 2: Center and spread

Lesson 3: Scatter plots

Lesson 4: Using statistical models