



Mathematics

Algebra I

2nd Nine Weeks



This academic overview can be used to monitor and support your child's at

-home learning progress

Unit 3: Linear Equations and Inequalities

Student Learning Targets

- I can calculate the rate of change of a linear function represented in different ways.
- I can write linear equations in two variables that represents a graph, a table of values, or a situation.
- I can identify key features of the graph of a linear function.
- I can graph the solution set of linear inequalities.

Questions to Check for Unit Understanding

- How can you calculate the rate of change of a linear function given a graph, a table of values, or an equation?
- What is the process for writing a linear equation for a graph, a table of values, or a situation?
- What are some key features of the graph of a linear function?
- What is the process of graphing linear inequalities?

Key Academic Vocabulary

- Rate of change: how one quantity changes in relation to another quantity.
- Slope: a calculated number that represents the "steepness" of the graph of a line.
- Y-intercept: where a line crosses the y-axis.

Unit 4: Systems of Equations and Inequalities

Student Learning Targets

- I can write two linear equations that represent a system of equations.
- I can solve a system of linear equations or inequalities.
- I can explain the solution to a system of equations or inequalities in a real-world context.

Questions to Check for Unit Understanding

- What is the process of writing a system of equations for a graph, table of values, or a situation?
- What is the process of determining the solution to a system of linear equations or inequalities?
- What does a solution to a system of equations or inequalities mean in a real-world context?

Key Academic Vocabulary

- System of equations: a grouping of two or more equations.
- System of inequalities: a grouping of two or more inequalities.
- Solution set: set of all possible solutions.