



# Mathematics

## Algebra I

### 3rd Nine Weeks



This academic overview can be used to monitor and support your child's at-home learning progress

#### Unit 4: Systems of Equations and Inequalities (continued from 2nd Nine Weeks)

##### 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.

#### Unit 5: Polynomials and Exponents

##### Student Learning Targets

- I can simplify expressions using one of the laws of exponents
- I can simplify a complex expression containing multiple variables and exponents

##### Questions to Check for Unit Understanding

- How are the laws of exponents related to one another?

##### Key Academic Vocabulary

- Polynomial: an expression containing a sum of terms, each of which is a constant times a whole number power of  $x$ .