

Expectations

- 1.1 The student will represent functions and relations numerically, graphically, and algebraically.
- 1.4 The student will describe and apply properties of functions and relations.
- 4.1 The student will describe and represent numbers and their relationships.
- 4.2 The student will estimate and compute using mental strategies, paper and pencil, and technology.

Essential Questions

What methods can be used to solve systems of equations?

How are systems of linear equations useful?

Enduring Understanding

A variety of representations of linear systems of equations, including matrices, are used to model and solve real-world problems.

Indicators

- 1.1.A2.11 represent a system of two or more linear equations in matrix form.
- 1.4.A2.6 solve systems of two or more linear equations using a variety of methods.
- 4.1.A2.5 determine whether a square matrix has a multiplicative inverse.
- 4.2.A2.2 perform operations on matrices.