

Why?

Essential Questions

1. What methods can be used to solve systems of equations and inequalities?
2. How are systems of linear equations and inequalities useful?

Enduring Understanding

Systems of equations and/or inequalities are used to model and solve real-world problems involving two or more variables.

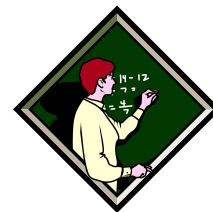
Expectation

Model and interpret real-world situations using the language of mathematics and appropriate technology.

MCPS Indicators and Standards

What?

- 1.2.2 solve linear inequalities and describe the solutions using numbers, symbols, and/or graphs.
- 1.2.2. a graph an inequality, write and/or solve an inequality, or interpret an inequality in the context of a problem.
- 1.2.3 solve and describe using numbers, symbols, and/or graphs if and where two straight lines intersect.
- 1.2.3.a write a system of equations for a real-world situation that is expressed verbally, numerically, or graphically.
- 1.2.3.b describe the graph of a system of linear relationships.

*Algebra*