

Name: _____ Date: _____ Block: _____

Algebra 1- Week 11 Homework

Monday-

1. Create a system of equation that has no solution.

Equation 1: _____

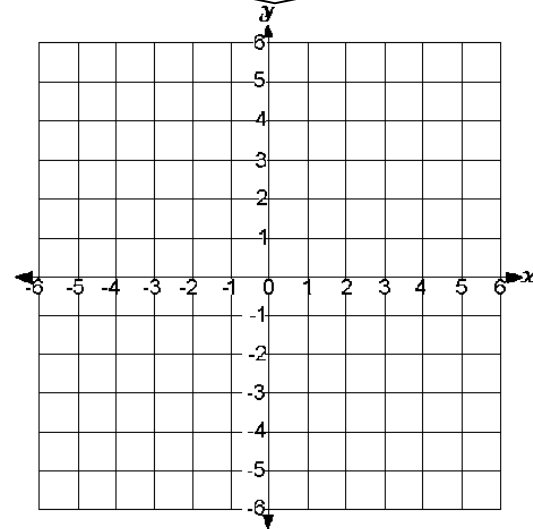
Equation 2: _____

2. Create a system of equation that has infinite solutions.

Equation 1: _____

Equation 2: _____

You can use this graph to check your answers, but it is optional.



Tuesday-

Solve the systems below using substitution.

1. $2x + 4y = 24$

$x = 4y$

Solution: (,)

2. $7x + 3y = 14$

$y = 3x - 6$

Solution: (,)

Wednesday/Thursday-

Solve the systems below using substitution.

1. $y = 4x - 1$

$y = 3x + 2$

Solution: (,)

2. $2x + 3y = 10$

$2x + y = 6$

Solution: (,)

Friday-

The sum of two numbers is 10. The difference of the same two numbers is 6. Let x represent the first number, and y represent the second number.

- Write a system of equations to represent this situation.
- Solve the system using substitution to determine the two numbers. Check your answer.

Solution :()

Solution :()