

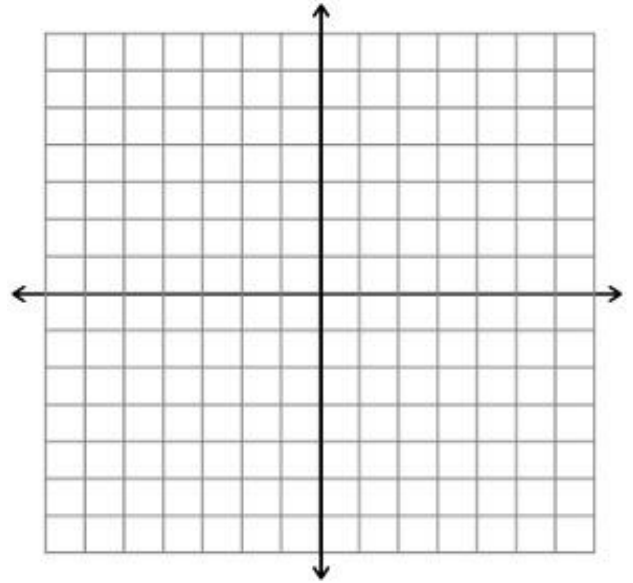
**Solving Systems of Equations by Graphing – Practice #1**

Graph each system of equations and determine whether the system has one solution, no solution or infinitely many solutions.

1.

$$y = 2x + 2$$

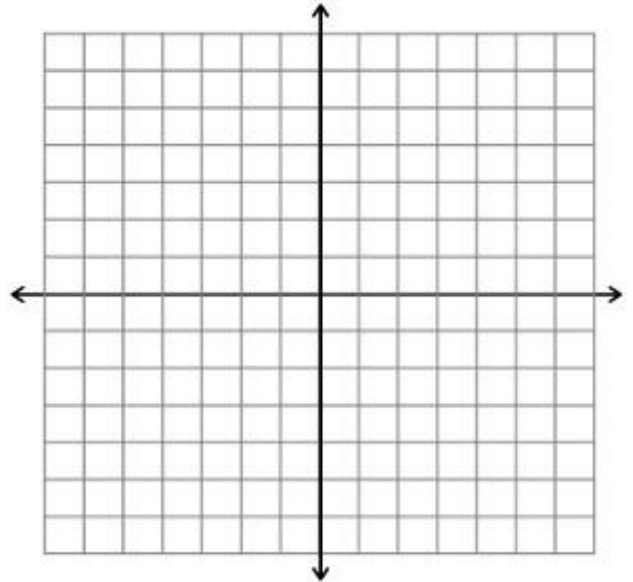
$$-2x + y = 7$$



2.

$$3x + y = 5$$

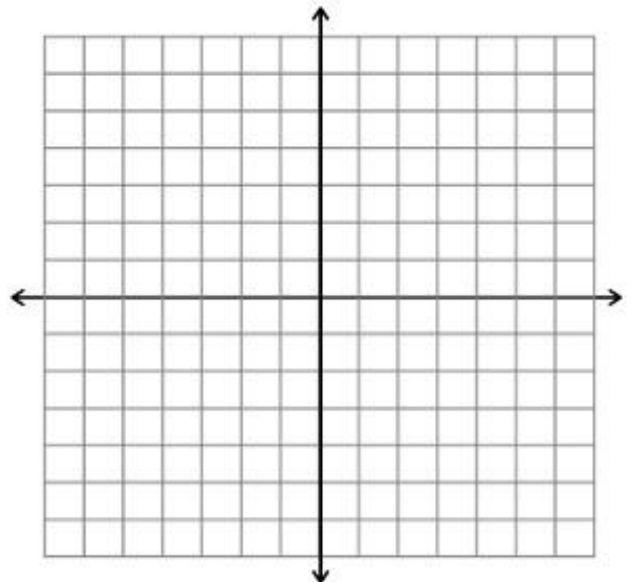
$$2y = -6x + 10$$



3.

$$3x - y = 8$$

$$y = 4$$



**Solving Systems of Equations by Graphing – Practice #1**

*Determine if the following points are solutions to the system of equations.*

4. Is the point (4, 5) a solution?

$$y = -2x + 4$$

$$y = 5$$

5. Is the point  $(-\frac{1}{2}, \frac{1}{2})$  a solution?

$$y = 5x + 3$$

$$y = x + 1$$

6. Is the point (0, 2) a solution?

$$y = 3x - 6$$

$$y = x - 5$$

7. Is the point (2, 4) a solution?

$$y = x + 2$$

$$y = 6x + 8$$

8. Is the point (0, 0) a solution?

$$y = 2x$$

$$y = x$$