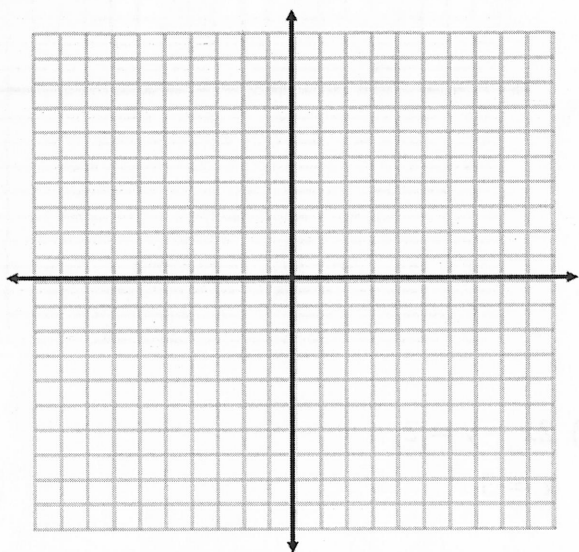


Unit 6- Day 3: Solving Systems of Equation using Graphing Worksheet

Solve the following systems of linear equations by graphing.

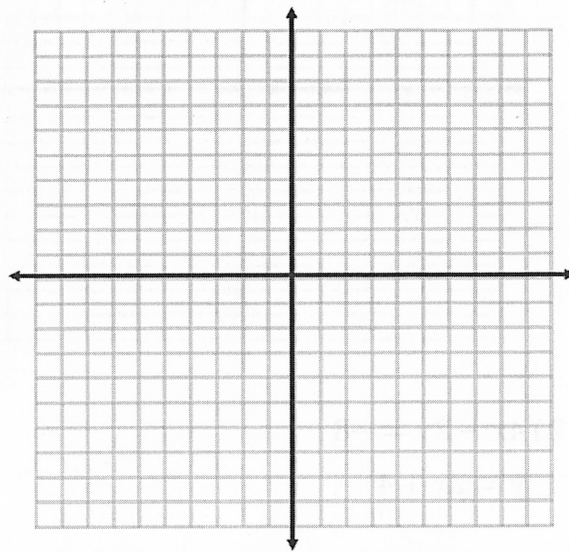
1.) $y = 3x - 2$

$y = \frac{1}{2}x + 3$

 $(2, 4)$ 

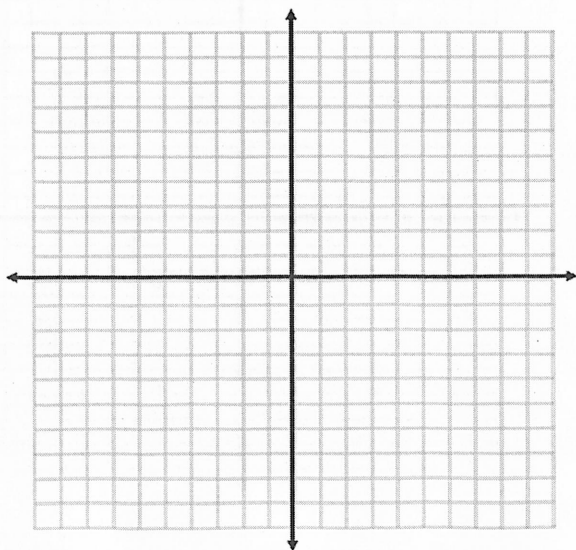
2.) $y = -2x + 3$

$y = 2x - 9$

 $(3, -3)$ 

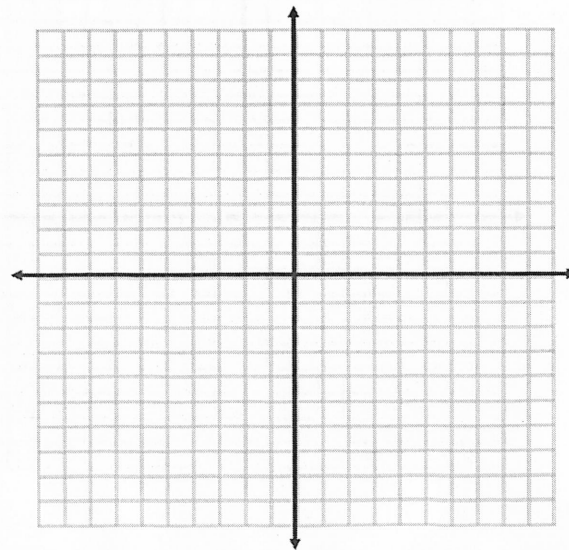
3.) $y = -\frac{1}{4}x + 1$

$y = 2x - 8$

 $(4, 0)$ 

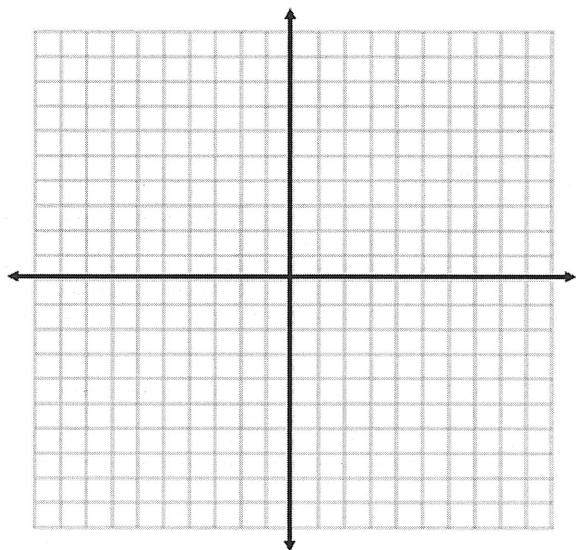
4.) $y = -3x + 9$

$y = 2x - 1$

 $(2, 3)$ 

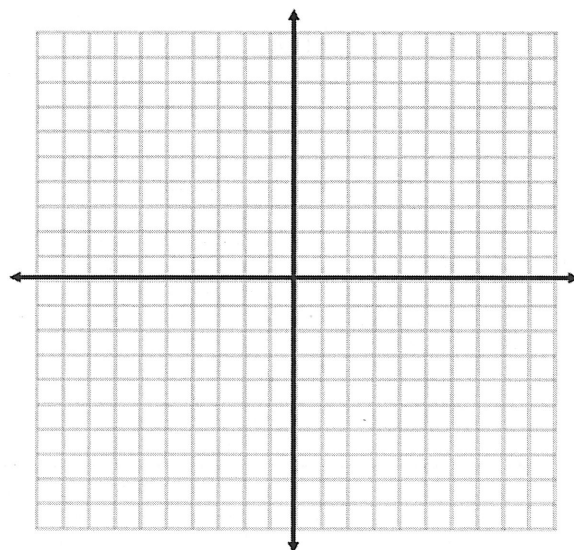
$$5.) \begin{aligned} 4x + 6y &= -12 \\ 2x + 3y &= 6 \end{aligned}$$

No Solution: \emptyset



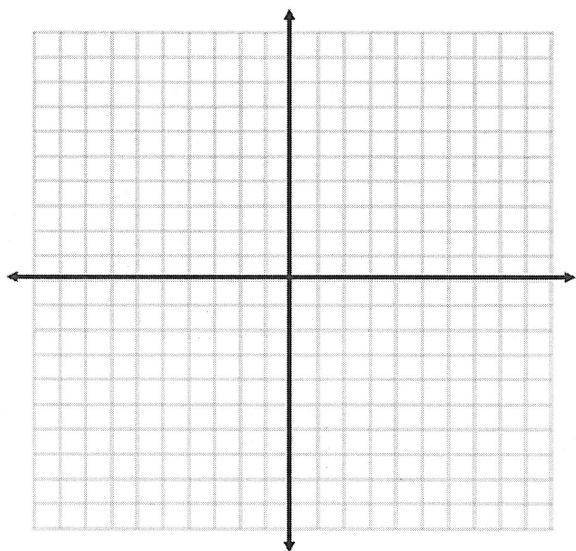
$$6.) \begin{aligned} y &= 3 \\ x - y &= -4 \end{aligned}$$

$(-1, 3)$



$$7.) \begin{aligned} 4x - 2y &= -8 \\ y &= 2x + 4 \end{aligned}$$

Infinite Solutions: \mathbb{R}



$$8.) \begin{aligned} 2x - y &= 2 \\ x &= 3 \end{aligned}$$

$(3, 4)$

