DIGITAL

NAME _____   **DATE** _____

guided practice

Module 10 Solving Systems of Linear Equations and Inequalities

Lesson 1 Solving Systems of Linear Equations by Graphing

Set 1

1. Is (4, 3) a solution to the system of linear equations?
$$\begin{cases} 5x - 2y = 14 \\ x + y = 8 \end{cases}$$

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2. Is (–1, –2) a solution to the system of linear equations?
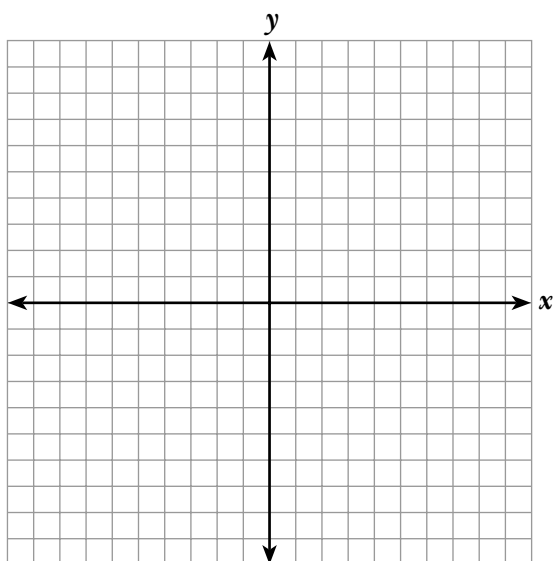$$\begin{cases} 3x - 4y = 5 \\ y = x - 1 \end{cases}$$
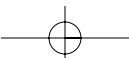
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Set 2

1. Solve by graphing:
$$\begin{cases} 3x - 2y = 6 \\ y = 3 \end{cases}$$

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Solution: Check:

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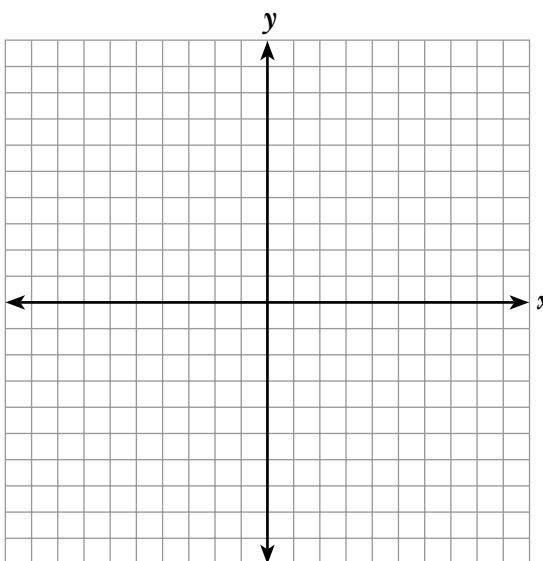
2. Solve by graphing:

$$\begin{cases} 2x + 6y = 6 \\ y = -\frac{1}{3}x + 1 \end{cases}$$

Solution:

3. Solve by graphing:

$$\begin{cases} x - 3y = -3 \\ 2x - 6y = 12 \end{cases}$$

Solution:

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