

WJ 11

Get x or y alone first.

# Solving Systems of Equations Maze 2

## Start

$$\begin{cases} 2x + y = 11 \\ -x + y = -1 \end{cases}$$

(3, -4)

$$\begin{cases} x + 3y = 9 \\ x + 2y = 6 \end{cases}$$

(-2, 4)

(-5, 2)

$$\begin{cases} 2x + 4y = 16 \\ -3x + y = -10 \end{cases}$$

(-1, 3)

(-4, 2)

$$\begin{cases} 3x - y = 1 \\ 4x + y = 13 \end{cases}$$

(2, 5)

$$\begin{cases} -3x + 2y = 5 \\ 3x + y = 7 \end{cases}$$

(4, 2)

(2, -4)

$$\begin{cases} 5x + y = 7 \\ 2x + 5y = 12 \end{cases}$$

(1, -3)

$$\begin{cases} -5x + y = 8 \\ x + 5y = 14 \end{cases}$$

(1, 5)

(-1, 4)

$$\begin{cases} 5x + y = 7 \\ -2x + 5y = 8 \end{cases}$$

(1, 5)

(1, 2)

(7, -7)

$$\begin{cases} x + y = 7 \\ -3x + 2y = 14 \end{cases}$$

(0, 7)

$$\begin{cases} 5x + y = 18 \\ 3x - y = 14 \end{cases}$$

(2, -4)

(3, -1)

$$\begin{cases} -2x + y = -9 \\ 2x + 5y = 15 \end{cases}$$

(9, 3)

(5, 1)

$$\begin{cases} -2x + 4y = 26 \\ -x + y = 14 \end{cases}$$

(5, 1)

$$\begin{cases} -2x + 4y = 26 \\ -x + y = 14 \end{cases}$$

(-1, 5)

(-15, -1)

$$\begin{cases} 3x + y = -2 \\ -3x + 2y = 14 \end{cases}$$

(-2, 5)

(-2, 4)

## Finish

## HW 11

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write the slope-intercept form of the equation of each line.**

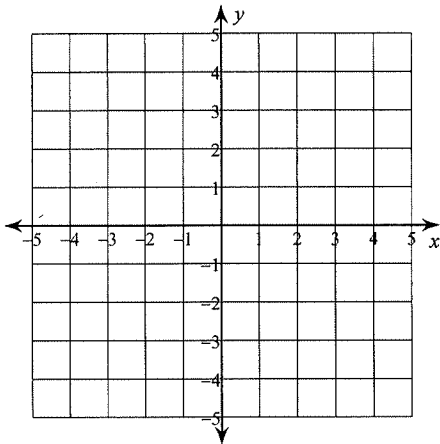
1)  $3x + 4y = 24$

2)  $7x - 4y = 12$

**Solve each system by graphing.**

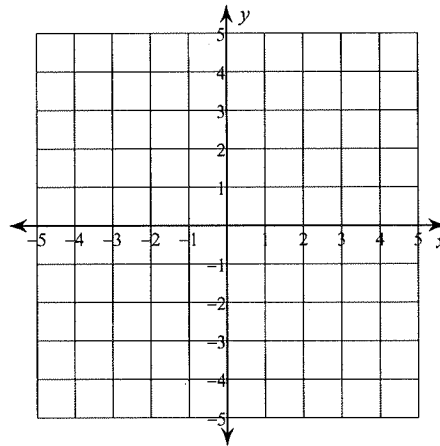
3)  $y = -\frac{5}{2}x + 4$

$y = x - 3$



4)  $6x + y = 2$

$y = -4$

**Solve each system by substitution.**

5)  $y = 3$   
 $-3x + 6y = 6$

6)  $y = -4x - 1$   
 $-2x - 3y = -7$

## HW 11

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write the slope-intercept form of the equation of each line.**

1)  $3x + 4y = 24$

$$y = -\frac{3}{4}x + 6$$

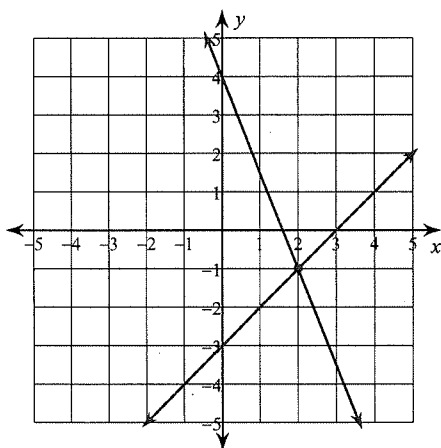
2)  $7x - 4y = 12$

$$y = \frac{7}{4}x - 3$$

**Solve each system by graphing.**

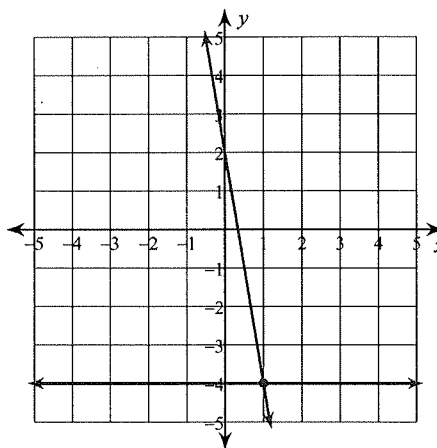
3)  $y = -\frac{5}{2}x + 4$

$y = x - 3$

 $(2, -1)$ 

4)  $6x + y = 2$

$y = -4$

 $(1, -4)$ **Solve each system by substitution.**

5)  $y = 3$

$-3x + 6y = 6$

 $(4, 3)$ 

6)  $y = -4x - 1$

$-2x - 3y = -7$

 $(-1, 3)$