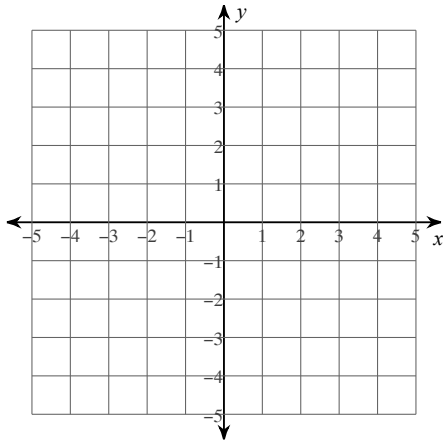


## Assignment

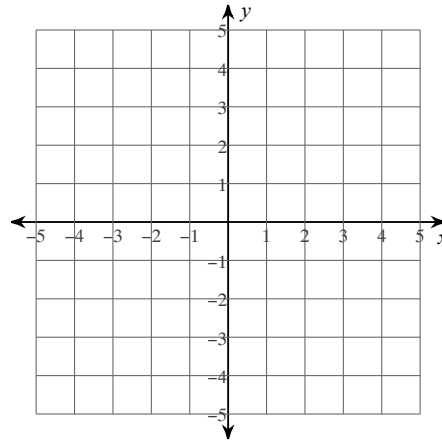
Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each system by graphing.

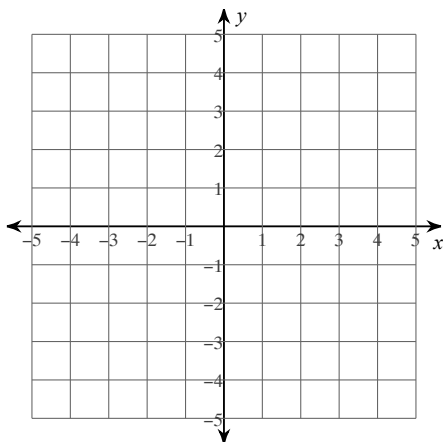
$$1) \begin{aligned} y &= \frac{1}{2}x - 3 \\ y &= \frac{5}{2}x + 1 \end{aligned}$$



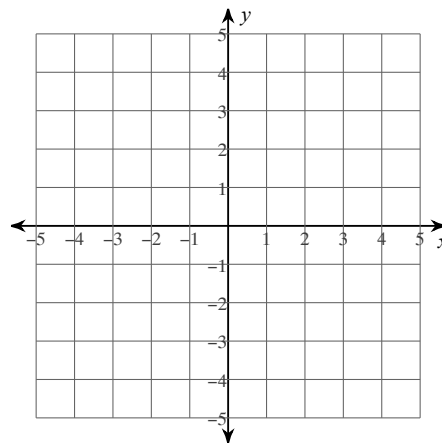
$$2) \begin{aligned} y &= -2x - 3 \\ y &= -\frac{2}{3}x + 1 \end{aligned}$$



$$3) \begin{aligned} y &= -x - 3 \\ y &= -5x + 1 \end{aligned}$$

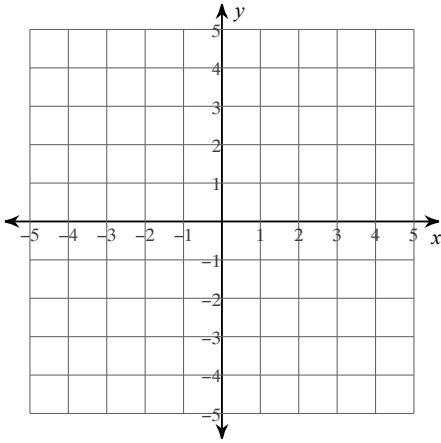


$$4) \begin{aligned} y &= \frac{3}{2}x - 4 \\ y &= -\frac{3}{2}x + 2 \end{aligned}$$



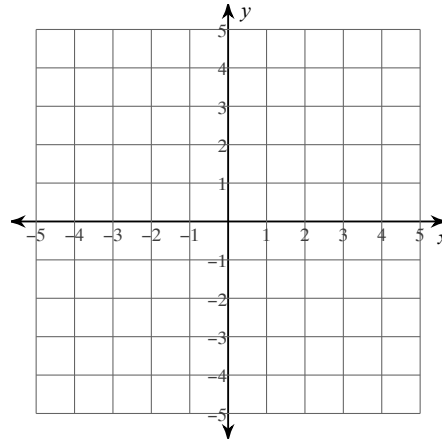
$$5) y = \frac{1}{3}x + 2$$

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



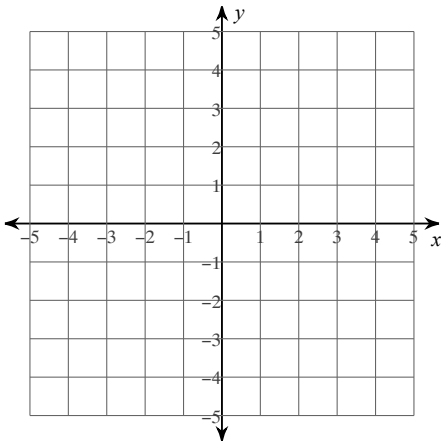
$$6) y = \frac{1}{3}x - 4$$

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



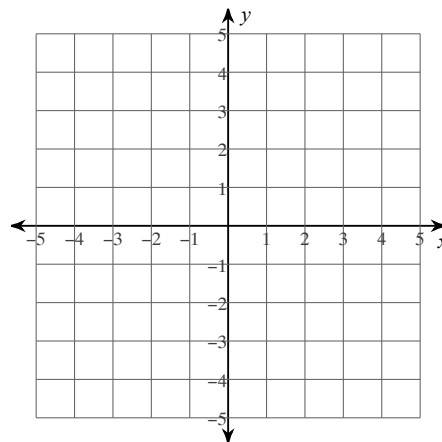
$$7) y = -x - 3$$

$$y = x + 1$$

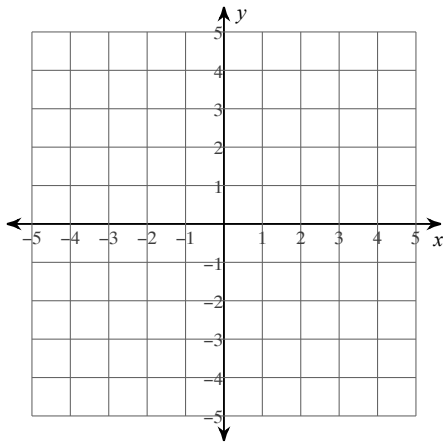


$$8) y = \frac{4}{3}x - 3$$

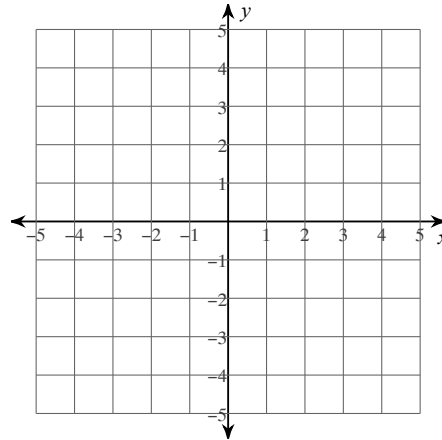
$$y = -x + 4$$



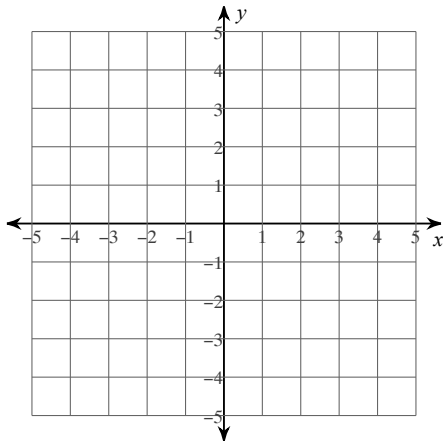
9)  $y = 5x + 1$   
 $y = x - 3$



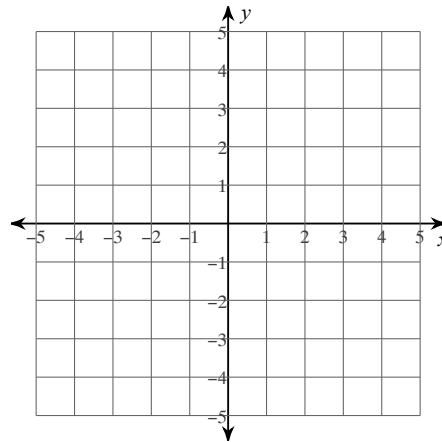
10)  $y = \frac{4}{3}x + 1$   
 $y = \frac{1}{3}x - 2$



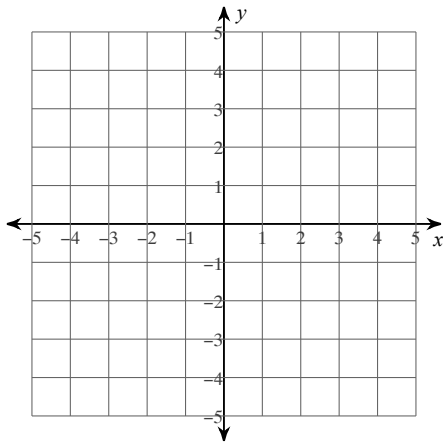
11)  $x - y = 2$   
 $4x + y = 3$



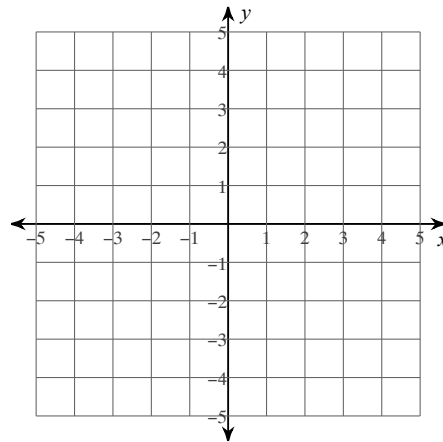
12)  $x - y = -1$   
 $x + 3y = -9$



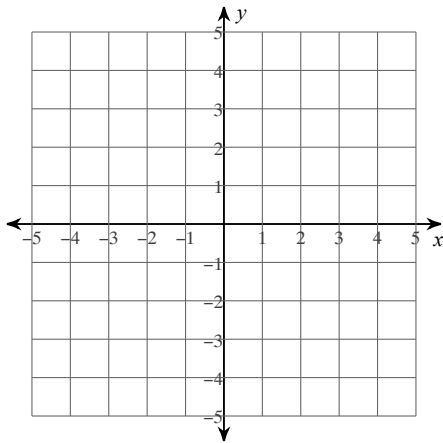
13)  $5x - 3y = 12$   
 $x + 3y = 6$



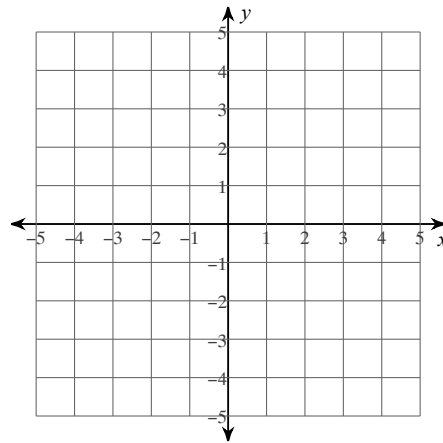
14)  $x - y = -2$   
 $x + y = -4$



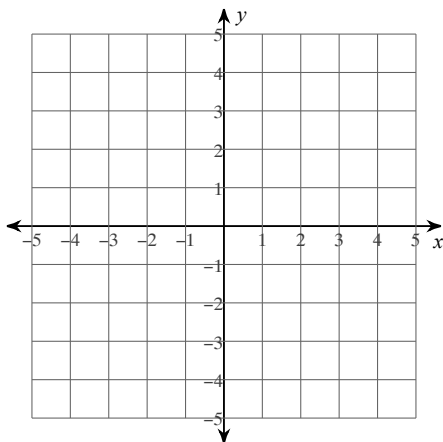
15)  $5x - y = -3$   
 $2x + y = -4$



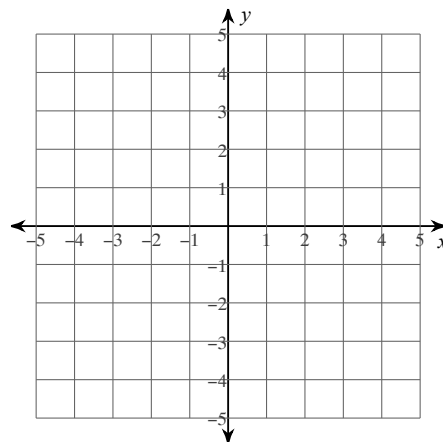
16)  $y = -4$   
 $2x + 3y = -6$



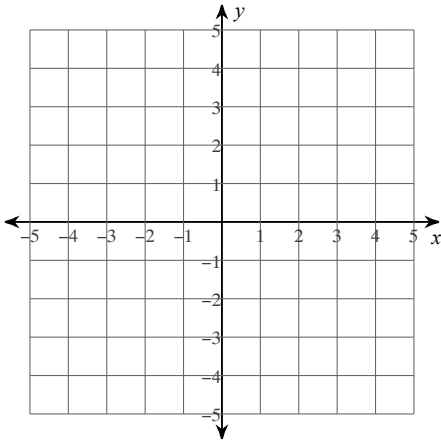
17)  $x + 3y = -6$   
 $2x + y = 3$



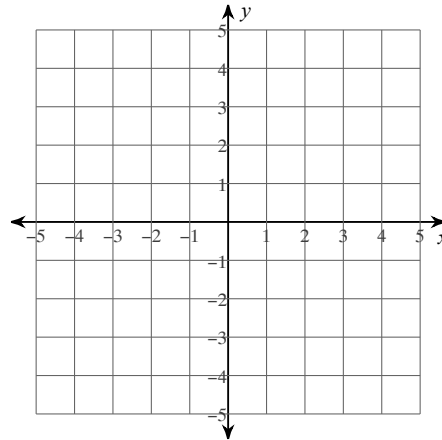
18)  $7x + 3y = 12$   
 $x + 3y = -6$



$$19) \begin{aligned} 3x + 2y &= -2 \\ x + 2y &= -6 \end{aligned}$$



$$20) \begin{aligned} 2x + 3y &= -3 \\ 2x + y &= 3 \end{aligned}$$



**Solve each system by substitution.**

$$21) \begin{aligned} x + y &= -2 \\ -6x - 7y &= 15 \end{aligned}$$

$$22) \begin{aligned} -4x - 2y &= 20 \\ x - y &= -2 \end{aligned}$$

$$23) \begin{aligned} -x + y &= 0 \\ -6x + 7y &= -8 \end{aligned}$$

$$24) \begin{aligned} x + 5y &= -23 \\ 3x - 6y &= 15 \end{aligned}$$

$$25) \begin{aligned} y &= 8 \\ -8x - 4y &= -24 \end{aligned}$$

$$26) \begin{aligned} 6x + 4y &= -16 \\ x - 2y &= 8 \end{aligned}$$

$$27) \begin{aligned} x + 4y &= -11 \\ -6x - 7y &= 15 \end{aligned}$$

$$28) \begin{aligned} -4x - 2y &= -16 \\ x - 3y &= 4 \end{aligned}$$

$$29) \begin{aligned} 2x + 3y &= -13 \\ x - 5y &= 0 \end{aligned}$$

$$30) \begin{aligned} 3x + 6y &= -15 \\ x + 3y &= -9 \end{aligned}$$

$$31) \begin{aligned} 6x + 4y &= 12 \\ -6x - 3y &= -9 \end{aligned}$$

$$32) \begin{aligned} 5x - 4y &= 4 \\ -5x + 6y &= -16 \end{aligned}$$

$$33) \begin{aligned} 7x + 2y &= 24 \\ 8x - 2y &= 6 \end{aligned}$$

$$34) \begin{aligned} -x - 2y &= 6 \\ 2x - 5y &= -3 \end{aligned}$$

$$35) \begin{aligned} 2x - 2y &= -8 \\ 4x - 5y &= -15 \end{aligned}$$

$$36) \begin{aligned} -2x + 3y &= -22 \\ 8x - 3y &= 16 \end{aligned}$$

$$\begin{aligned} 37) \quad & -7x - 2y = -1 \\ & -2x - 7y = 19 \end{aligned}$$

$$\begin{aligned} 38) \quad & -6x + 5y = 13 \\ & 5x + 2y = -17 \end{aligned}$$

$$\begin{aligned} 39) \quad & 4x - y = -10 \\ & -8x - 3y = 10 \end{aligned}$$

$$\begin{aligned} 40) \quad & 3x - 6y = -24 \\ & y = 2 \end{aligned}$$

**Solve each system by elimination.**

$$\begin{aligned} 41) \quad & 14x + 6y = 6 \\ & -7x + 3y = 3 \end{aligned}$$

$$\begin{aligned} 42) \quad & 5x - 6y = 24 \\ & -x + 3y = -12 \end{aligned}$$

$$\begin{aligned} 43) \quad & 4x + 2y = 18 \\ & 8x - 9y = -3 \end{aligned}$$

$$\begin{aligned} 44) \quad & 8x - 2y = -6 \\ & -2x - 8y = -24 \end{aligned}$$

$$\begin{aligned} 45) \quad & -9x - 6y = -18 \\ & -18x - 3y = 18 \end{aligned}$$

$$\begin{aligned} 46) \quad & 6x + 9y = 0 \\ & -12x - 5y = -26 \end{aligned}$$

$$\begin{aligned} 47) \quad & -7x + 2y = 17 \\ & x + 3y = -9 \end{aligned}$$

$$\begin{aligned} 48) \quad & 2x - 9y = 4 \\ & -12x - 4y = -24 \end{aligned}$$

$$\begin{aligned} 49) \quad & 2x - 5y = -16 \\ & x - y = -8 \end{aligned}$$

$$\begin{aligned} 50) \quad & -18x - 8y = -12 \\ & 9x + 5y = 12 \end{aligned}$$

$$\begin{aligned} 51) \quad & 6x + 8y = 4 \\ & -9x - 3y = 12 \end{aligned}$$

$$\begin{aligned} 52) \quad & -5x - 10y = -20 \\ & 8x + 4y = 20 \end{aligned}$$

$$\begin{aligned} 53) \quad & 5x - 7y = -4 \\ & -6x - 9y = -30 \end{aligned}$$

$$\begin{aligned} 54) \quad & 9x - 6y = 18 \\ & 6x - 5y = 6 \end{aligned}$$

$$\begin{aligned} 55) \quad & -3x + 5y = -15 \\ & 4x - 2y = -22 \end{aligned}$$

$$\begin{aligned} 56) \quad & -6x + 9y = 27 \\ & 8x - 4y = 4 \end{aligned}$$

$$\begin{aligned} 57) \quad & 2x - 4y = 10 \\ & 5x - 3y = -3 \end{aligned}$$

$$\begin{aligned} 58) \quad & -2x + 2y = -8 \\ & 5x + 5y = 20 \end{aligned}$$

$$\begin{aligned} 59) \quad & 9x - 3y = -9 \\ & -2x + 2y = -6 \end{aligned}$$

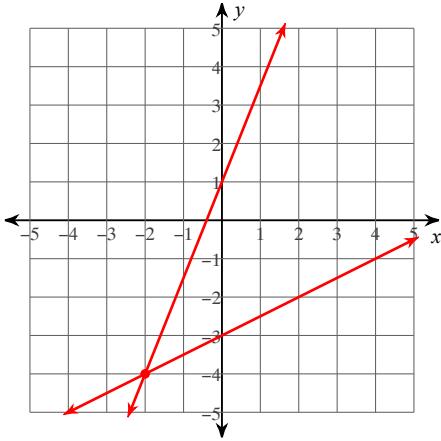
$$\begin{aligned} 60) \quad & 5x + 10y = 30 \\ & -6x + 6y = 0 \end{aligned}$$

## Assignment

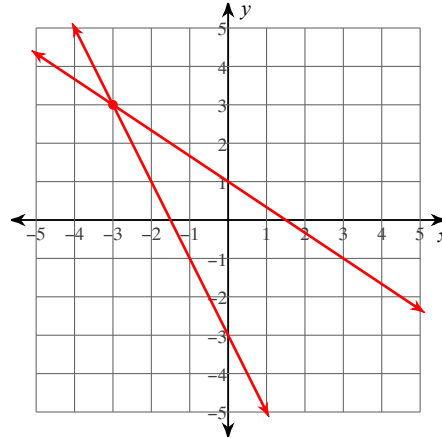
Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each system by graphing.

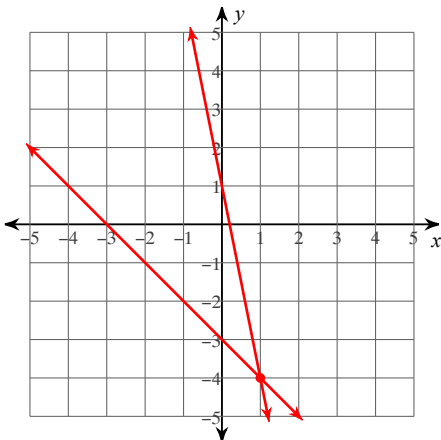
$$1) \begin{aligned} y &= \frac{1}{2}x - 3 \\ y &= \frac{5}{2}x + 1 \end{aligned}$$

 $(-2, -4)$ 

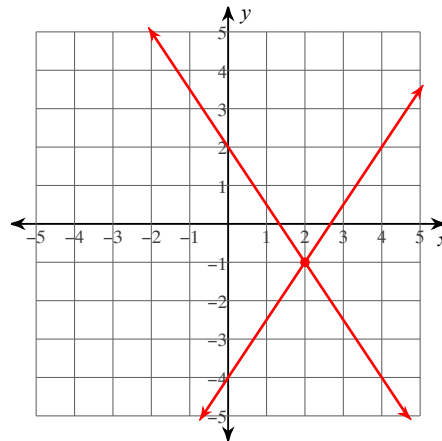
$$2) \begin{aligned} y &= -2x - 3 \\ y &= -\frac{2}{3}x + 1 \end{aligned}$$

 $(-3, 3)$ 

$$3) \begin{aligned} y &= -x - 3 \\ y &= -5x + 1 \end{aligned}$$

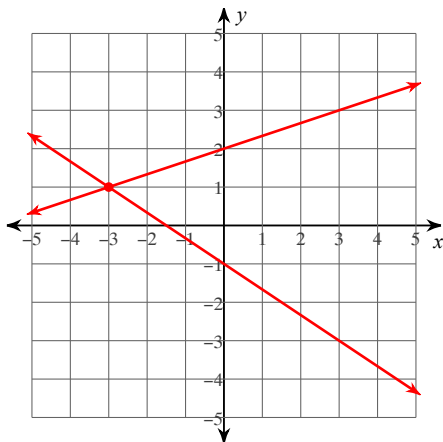
 $(1, -4)$ 

$$4) \begin{aligned} y &= \frac{3}{2}x - 4 \\ y &= -\frac{3}{2}x + 2 \end{aligned}$$

 $(2, -1)$

$$5) y = \frac{1}{3}x + 2$$

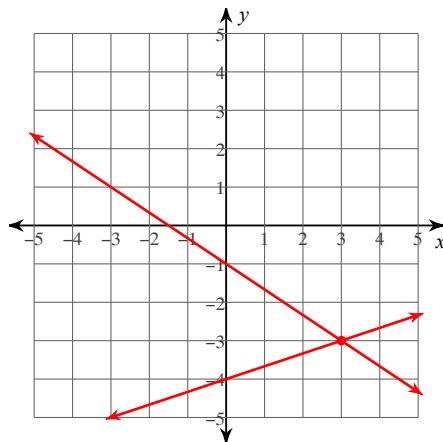
$$y = -\frac{2}{3}x - 1$$



$(-3, 1)$

$$6) y = \frac{1}{3}x - 4$$

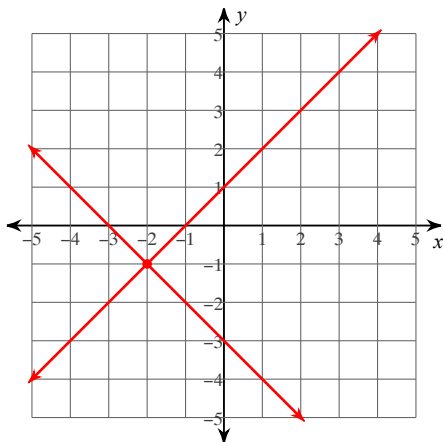
$$y = -\frac{2}{3}x - 1$$



$(3, -3)$

$$7) y = -x - 3$$

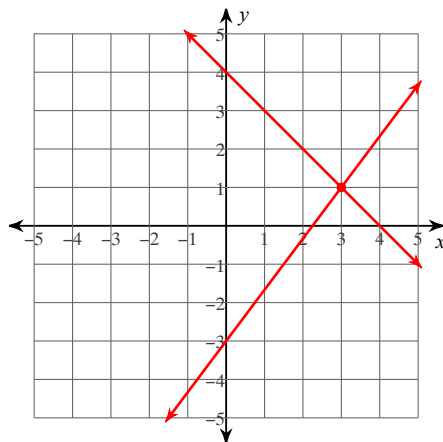
$$y = x + 1$$



$(-2, -1)$

$$8) y = \frac{4}{3}x - 3$$

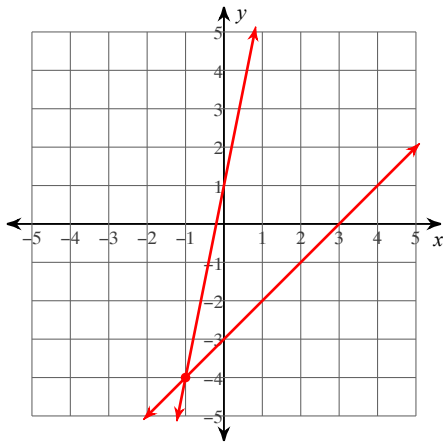
$$y = -x + 4$$



$(3, 1)$

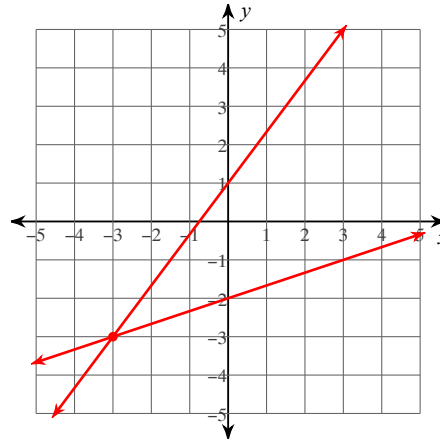


9)  $y = 5x + 1$   
 $y = x - 3$



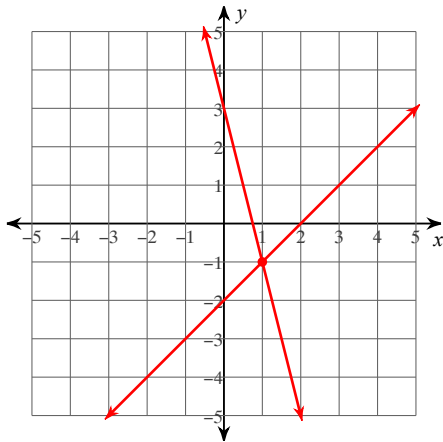
$(-1, -4)$

10)  $y = \frac{4}{3}x + 1$   
 $y = \frac{1}{3}x - 2$



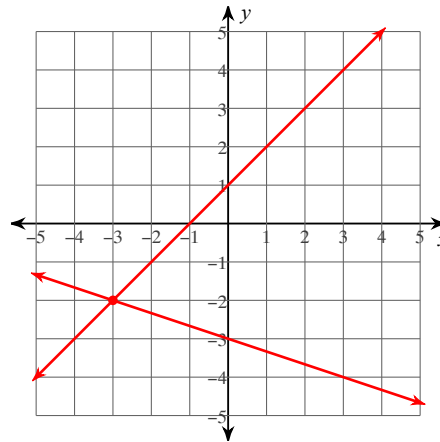
$(-3, -3)$

11)  $x - y = 2$   
 $4x + y = 3$



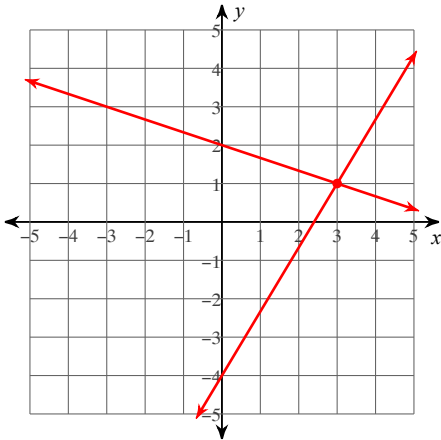
$(1, -1)$

12)  $x - y = -1$   
 $x + 3y = -9$



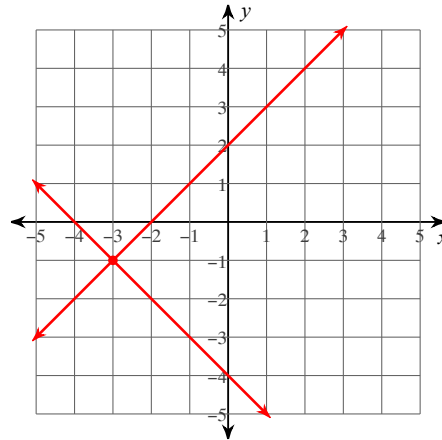
$(-3, -2)$

13)  $5x - 3y = 12$   
 $x + 3y = 6$



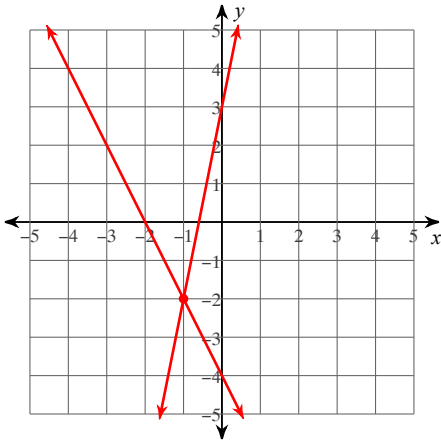
$(3, 1)$

14)  $x - y = -2$   
 $x + y = -4$



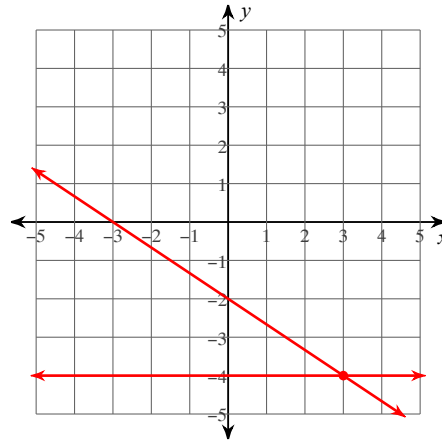
$(-3, -1)$

15)  $5x - y = -3$   
 $2x + y = -4$



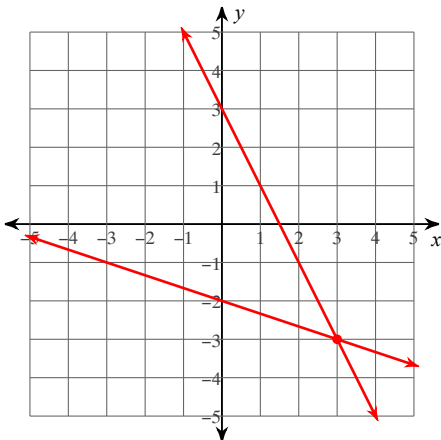
$(-1, -2)$

16)  $y = -4$   
 $2x + 3y = -6$



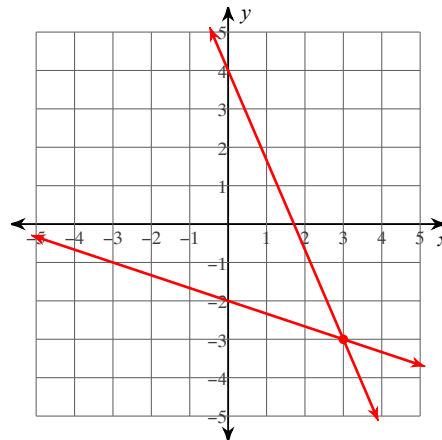
$(3, -4)$

17)  $x + 3y = -6$   
 $2x + y = 3$



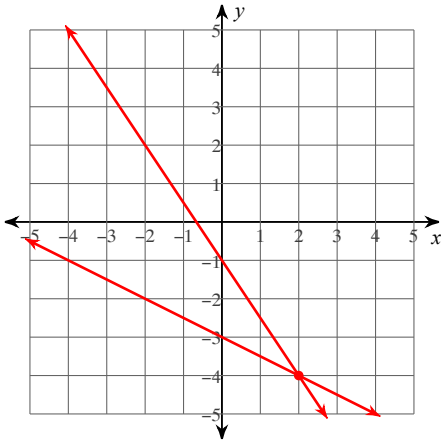
$(3, -3)$

18)  $7x + 3y = 12$   
 $x + 3y = -6$



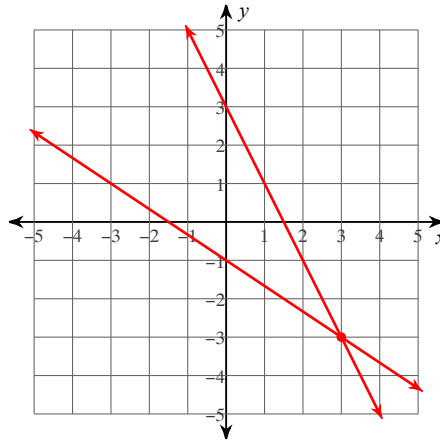
$(3, -3)$

$$19) \begin{cases} 3x + 2y = -2 \\ x + 2y = -6 \end{cases}$$



$(2, -4)$

$$20) \begin{cases} 2x + 3y = -3 \\ 2x + y = 3 \end{cases}$$



$(3, -3)$

**Solve each system by substitution.**

$$21) \begin{cases} x + y = -2 \\ -6x - 7y = 15 \end{cases}$$

$(1, -3)$

$$23) \begin{cases} -x + y = 0 \\ -6x + 7y = -8 \end{cases}$$

$(-8, -8)$

$$25) \begin{cases} y = 8 \\ -8x - 4y = -24 \end{cases}$$

$(-1, 8)$

$$27) \begin{cases} x + 4y = -11 \\ -6x - 7y = 15 \end{cases}$$

$(1, -3)$

$$29) \begin{cases} 2x + 3y = -13 \\ x - 5y = 0 \end{cases}$$

$(-5, -1)$

$$31) \begin{cases} 6x + 4y = 12 \\ -6x - 3y = -9 \end{cases}$$

$(0, 3)$

$$33) \begin{cases} 7x + 2y = 24 \\ 8x - 2y = 6 \end{cases}$$

$(2, 5)$

$$35) \begin{cases} 2x - 2y = -8 \\ 4x - 5y = -15 \end{cases}$$

$(-5, -1)$

$$22) \begin{cases} -4x - 2y = 20 \\ x - y = -2 \end{cases}$$

$(-4, -2)$

$$24) \begin{cases} x + 5y = -23 \\ 3x - 6y = 15 \end{cases}$$

$(-3, -4)$

$$26) \begin{cases} 6x + 4y = -16 \\ x - 2y = 8 \end{cases}$$

$(0, -4)$

$$28) \begin{cases} -4x - 2y = -16 \\ x - 3y = 4 \end{cases}$$

$(4, 0)$

$$30) \begin{cases} 3x + 6y = -15 \\ x + 3y = -9 \end{cases}$$

$(3, -4)$

$$32) \begin{cases} 5x - 4y = 4 \\ -5x + 6y = -16 \end{cases}$$

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$$34) \begin{cases} -x - 2y = 6 \\ 2x - 5y = -3 \end{cases}$$

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$$36) \begin{cases} -2x + 3y = -22 \\ 8x - 3y = 16 \end{cases}$$

$(-1, -8)$

$$\begin{aligned} 37) \quad & -7x - 2y = -1 \\ & -2x - 7y = 19 \\ & (1, -3) \end{aligned}$$

$$\begin{aligned} 39) \quad & 4x - y = -10 \\ & -8x - 3y = 10 \\ & (-2, 2) \end{aligned}$$

**Solve each system by elimination.**

$$\begin{aligned} 41) \quad & 14x + 6y = 6 \\ & -7x + 3y = 3 \\ & (0, 1) \end{aligned}$$

$$\begin{aligned} 43) \quad & 4x + 2y = 18 \\ & 8x - 9y = -3 \\ & (3, 3) \end{aligned}$$

$$\begin{aligned} 45) \quad & -9x - 6y = -18 \\ & -18x - 3y = 18 \\ & (-2, 6) \end{aligned}$$

$$\begin{aligned} 47) \quad & -7x + 2y = 17 \\ & x + 3y = -9 \\ & (-3, -2) \end{aligned}$$

$$\begin{aligned} 49) \quad & 2x - 5y = -16 \\ & x - y = -8 \\ & (-8, 0) \end{aligned}$$

$$\begin{aligned} 51) \quad & 6x + 8y = 4 \\ & -9x - 3y = 12 \\ & (-2, 2) \end{aligned}$$

$$\begin{aligned} 53) \quad & 5x - 7y = -4 \\ & -6x - 9y = -30 \\ & (2, 2) \end{aligned}$$

$$\begin{aligned} 55) \quad & -3x + 5y = -15 \\ & 4x - 2y = -22 \\ & (-10, -9) \end{aligned}$$

$$\begin{aligned} 57) \quad & 2x - 4y = 10 \\ & 5x - 3y = -3 \\ & (-3, -4) \end{aligned}$$

$$\begin{aligned} 59) \quad & 9x - 3y = -9 \\ & -2x + 2y = -6 \\ & (-3, -6) \end{aligned}$$

$$\begin{aligned} 38) \quad & -6x + 5y = 13 \\ & 5x + 2y = -17 \\ & (-3, -1) \end{aligned}$$

$$\begin{aligned} 40) \quad & 3x - 6y = -24 \\ & y = 2 \\ & (-4, 2) \end{aligned}$$

$$\begin{aligned} 42) \quad & 5x - 6y = 24 \\ & -x + 3y = -12 \\ & (0, -4) \end{aligned}$$

$$\begin{aligned} 44) \quad & 8x - 2y = -6 \\ & -2x - 8y = -24 \\ & (0, 3) \end{aligned}$$

$$\begin{aligned} 46) \quad & 6x + 9y = 0 \\ & -12x - 5y = -26 \\ & (3, -2) \end{aligned}$$

$$\begin{aligned} 48) \quad & 2x - 9y = 4 \\ & -12x - 4y = -24 \\ & (2, 0) \end{aligned}$$

$$\begin{aligned} 50) \quad & -18x - 8y = -12 \\ & 9x + 5y = 12 \\ & (-2, 6) \end{aligned}$$

$$\begin{aligned} 52) \quad & -5x - 10y = -20 \\ & 8x + 4y = 20 \\ & (2, 1) \end{aligned}$$

$$\begin{aligned} 54) \quad & 9x - 6y = 18 \\ & 6x - 5y = 6 \\ & (6, 6) \end{aligned}$$

$$\begin{aligned} 56) \quad & -6x + 9y = 27 \\ & 8x - 4y = 4 \\ & (3, 5) \end{aligned}$$

$$\begin{aligned} 58) \quad & -2x + 2y = -8 \\ & 5x + 5y = 20 \\ & (4, 0) \end{aligned}$$

$$\begin{aligned} 60) \quad & 5x + 10y = 30 \\ & -6x + 6y = 0 \\ & (2, 2) \end{aligned}$$