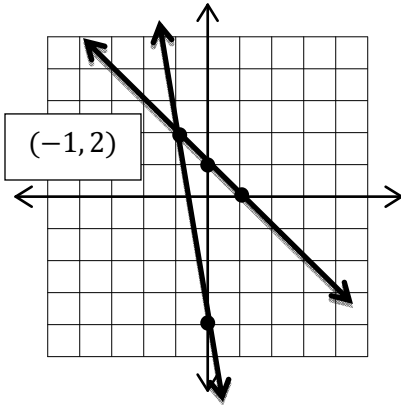
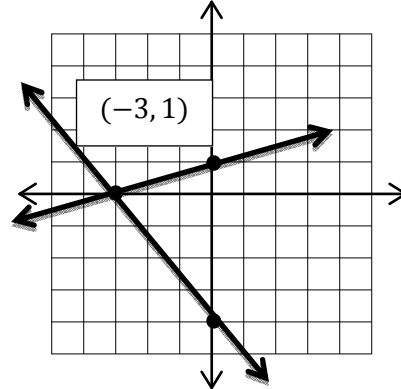


4.1

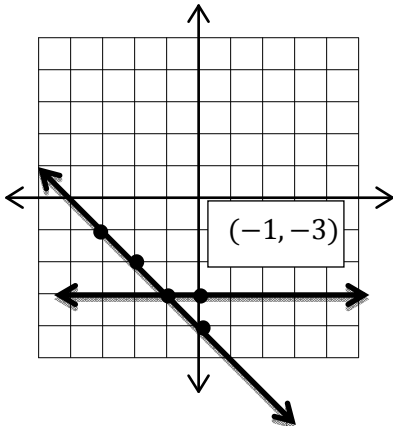
1)  $y = -x + 1$   
 $y = -5x - 3$



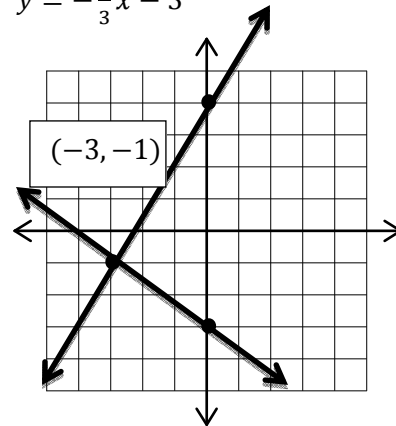
7)  $y = \frac{1}{3}x + 2$   
 $y = -\frac{5}{3}x - 4$



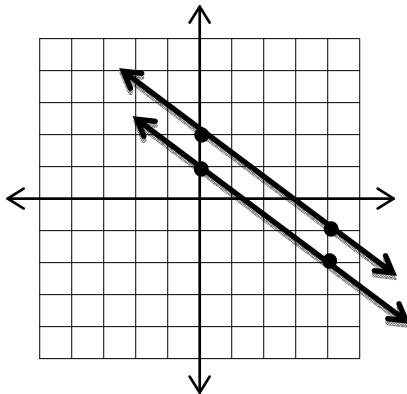
3)  $y = -3$   
 $y = -x - 4$



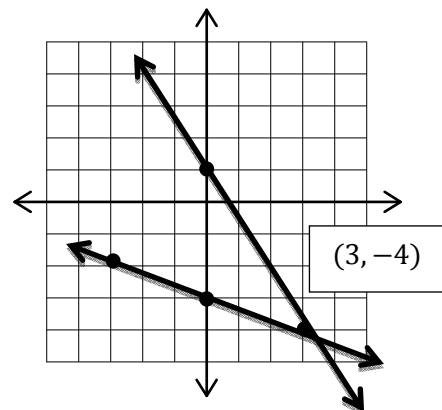
9)  $y = \frac{5}{3}x + 4$   
 $y = -\frac{2}{3}x - 3$



5)  $y = -\frac{3}{4}x + 1$   
 $y = -\frac{3}{4}x + 2$  No Solution

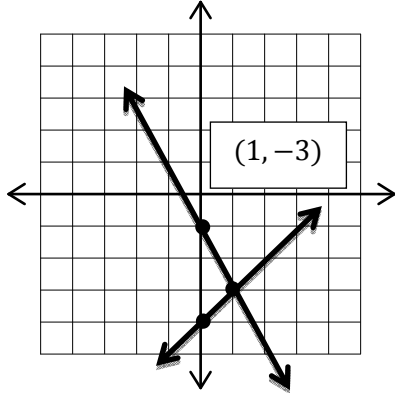


11)  $x + 3y = -9$        $5x + 3y = 3$   
 $\frac{-x}{3} = \frac{-x}{3} - \frac{9}{3}$        $\frac{3y}{3} = \frac{-5x}{3} + \frac{3}{3}$   
 $y = -\frac{1}{3}x - 3$        $y = -\frac{5}{3}x + 1$



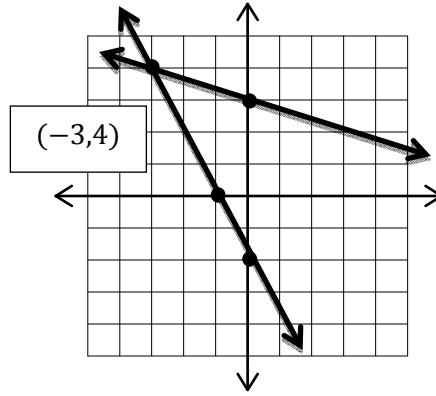
$$13) \quad x - y = 4 \quad 2x + y = -1$$

$$14) \quad \begin{array}{r} -x \quad -x \quad -2x \quad -2x \\ \hline -\frac{y}{-1} = -\frac{x}{-1} + \frac{4}{-1} \quad y = -2x - 1 \\ y = x - 4 \end{array}$$



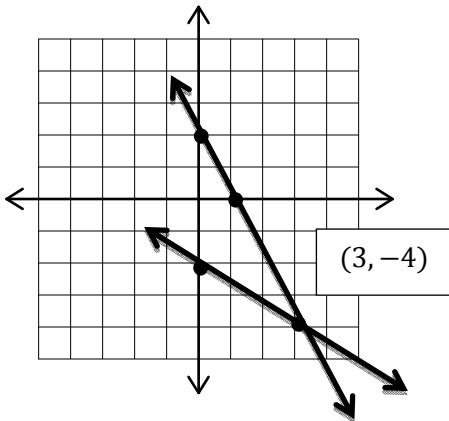
$$19) \quad 2x + y = 2 \quad x + 3y = 9$$

$$\begin{array}{r} -2x \quad -2x \quad -x \quad -x \\ \hline y = -2x + 2 \quad \frac{3y}{3} = -\frac{x}{3} + \frac{9}{3} \\ y = -\frac{1}{3}x + 3 \end{array}$$



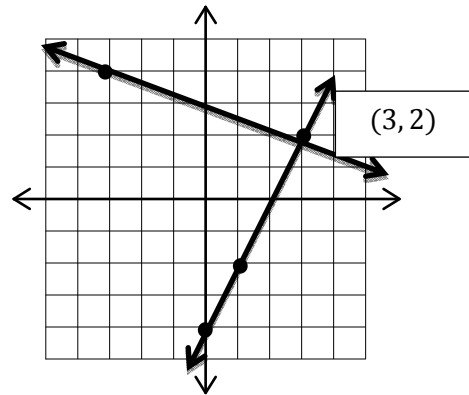
$$15) \quad 2x + 3y = -6 \quad 2x + y = 2$$

$$\begin{array}{r} -2x \quad -2x \quad -2x \quad -2x \\ \hline \frac{3y}{3} = -\frac{2x}{3} - \frac{6}{3} \quad y = -2x + 2 \\ y = -\frac{2}{3}x - 2 \end{array}$$



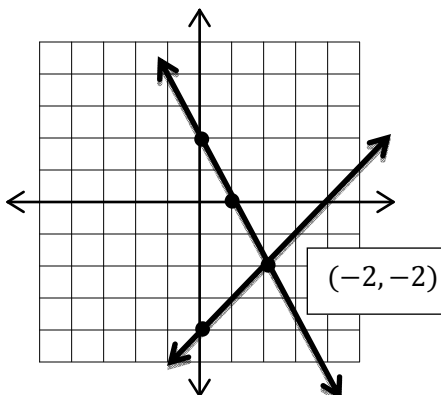
$$21) \quad 0 = -6x - 9y + 36 \quad 12 = 6x - 3y$$

$$\begin{array}{r} +9y \quad +9y \quad -6x - 6x \\ \hline \frac{9y}{9} = -\frac{6x}{9} + \frac{36}{9} \quad -\frac{6x}{-3} + \frac{12}{-3} = \frac{-3y}{-3} \\ y = -\frac{2}{3}x + 4 \quad 2x - 4 = y \end{array}$$



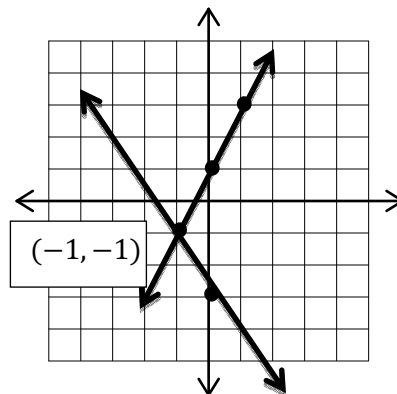
$$17) \quad 2x + y = 2 \quad x - y = 4$$

$$\begin{array}{r} -2x \quad -2x \quad -x \quad -x \\ \hline y = -2x + 2 \quad -\frac{y}{-1} = -\frac{x}{-1} + \frac{4}{-1} \\ y = x - 4 \end{array}$$

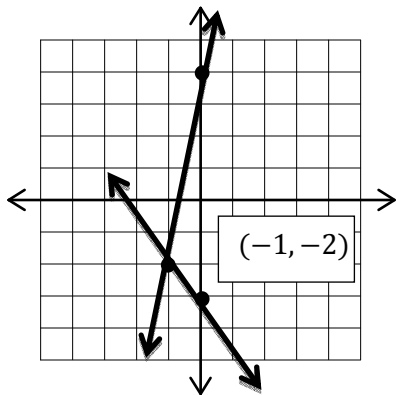


$$23) \quad 2x - y = -1 \quad 0 = -2x - y - 3$$

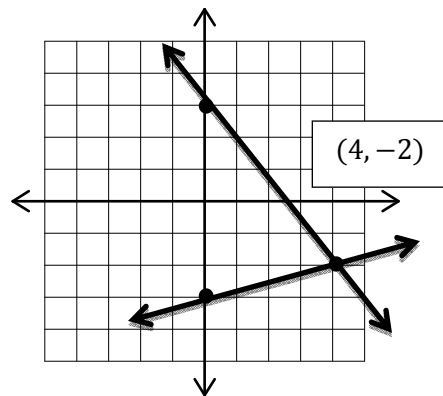
$$\begin{array}{r} -2x \quad -2x \quad +y \quad +y \\ \hline -\frac{y}{-1} = -\frac{2x}{-1} - \frac{1}{-1} \quad y = -2x - 3 \\ y = 2x + 1 \end{array}$$



$$25) \begin{array}{r} 3 + y = -x \\ -3 \quad -3 \\ \hline y = -x - 3 \end{array} \quad \begin{array}{r} -\frac{4}{-1} - \frac{6x}{-1} = -\frac{y}{-1} \\ 4 + 6x = y \end{array}$$



$$29) \begin{array}{r} -\frac{12}{4} + \frac{x}{4} = \frac{4y}{4} \\ -3 + \frac{1}{4}x = y \end{array} \quad \begin{array}{r} \frac{12}{4} - \frac{5x}{4} = \frac{4y}{4} \\ 3 - \frac{5}{4}x = y \end{array}$$



$$27) \begin{array}{r} -y + 7x = 4 \\ -7x \quad -7x \quad + y \quad + y \\ \hline -\frac{y}{-1} = -\frac{7x}{-1} + \frac{4}{-1} \\ y = 7x + 4 \end{array} \quad \begin{array}{r} -y - 3 + 7x = 0 \\ -3 + 7x = y \end{array}$$

No Solution

