

1)  $y = 6x - 11$   
 $y = -5$   
 $-5 = 6x - 11$   
 $+11 \quad +11$   
 $6x = 6$   
 $x = 1$   
 $(1, -5)$

2)  $y = 3x - 8$   
 $y = 7x - 12$   
 $3x - 8 = 7x - 12$   
 $-3x + 12 \quad -3x + 12$   
 $4 = 4x$   
 $x = 1$   
 $y = 3(1) - 8$   
 $y = -5$   
 $(1, -5)$

3)  $y = -5x - 2$   
 $y = -6x - 2$   
 $-5x - 2 = -6x - 2$   
 $+6x + 2 \quad +6x + 2$   
 $x = 0$   
 $(0, -2)$   
 $y = -2$

4)  $y = -4x - 12$   
 $y = -5x - 14$   
 $-4x - 12 = -5x - 14$   
 $+5x + 12 \quad +5x + 12$   
 $x = -2$   
 $(-2, 4)$   
 $y = -4(-2) - 12$   
 $y = 8 - 12$   
 $y = -4$

5)  $y = 3x - 1$   
 $-x + 2y = 3$   
 $-x + 2(3x - 1) = 3$   
 $-x + 6x - 2 = 3$   
 $+2 \quad +2$   
 $5x = 5$   
 $x = 1$   
 $y = 3(1) - 1 = 2$   
 $(1, 2)$

6)  $y = 5x - 11$   
 $5x - 3y = 13$   
 $5x - 3(5x - 11) = 13$   
 $5x - 15x + 33 = 13$   
 $-33 \quad -33$   
 $-10x = -20$   
 $x = 2$   
 $y = 5(2) - 11$   
 $y = -1$   
 $(2, -1)$

7)  $-3x + 8y = -1$   
 $y = -2x - 12$   
 $-3x + 8(-2x - 12) = -1$   
 $-3x - 16x - 96 = -1$   
 $+96 \quad +96$   
 $-19x = 95$   
 $x = -5$   
 $y = -2(-5) - 12$   
 $y = 10 - 12$   
 $y = -2$   
 $(-5, -2)$

8)  $y = -3x - 3$   
 $5x - 8y = -5$   
 $5x - 8(-3x - 3) = -5$   
 $5x + 24x + 24 = -5$   
 $-24 \quad -24$   
 $29x = -29$   
 $x = -1$   
 $y = -3(-1) - 3$   
 $y = 0$   
 $(-1, 0)$

9)  $-5x + 2y = -19$   
 $-2x + y = -7$   
 $y = 2x - 7$   
 $-5x + 2(2x - 7) = -19$   
 $-5x + 4x - 14 = -19$   
 $+14 \quad +14$   
 $-x = -5$   
 $x = 5$   
 $-2(5) + y = -7$   
 $-10 + y = -7$   
 $+10 \quad +10$   
 $y = 3$   
 $(5, 3)$

$$\begin{array}{r} 11) \quad -9x - 2y = -2 \\ + \quad 10x + 2y = 2 \\ \hline x = 0 \end{array}$$

$$10(0) + 2y = 2$$

$$\frac{2y}{2} = \frac{2}{2}$$

$$y = 1$$

$$\boxed{(0, 1)}$$

$$\begin{array}{r} 12) \quad 4x + 5y = -30 \\ -4x - 5y = 25 \\ \hline 0 + 0 = -5 \\ 0 = -5 \end{array}$$

$\boxed{\text{No Solution}}$

$$\begin{array}{r} 13) \quad -5x + 8y = 3 \\ + \quad 6x - 8y = -2 \\ \hline \end{array}$$

$$x = 1$$

$$6(1) - 8y = -2$$

$$6 - 8y = -2$$

$$-6$$

$$-8y = -8$$

$$y = 1$$

$$\boxed{(1, 1)}$$

$$\begin{array}{r} 14) \quad -4x + 3y = 22 \\ - \quad x - 3y = -17 \\ \hline -5x = 5 \end{array}$$

$$x = -1$$

$$-4(-1) + 3y = 22$$

$$4 + 3y = 22$$

$$-4$$

$$3y = 18$$

$$y = 6$$

$$\boxed{(-1, 6)}$$

$$\begin{array}{r} 15) \quad 9x - 3y = 6 \\ + \quad (+3x + 3y = 18) \\ \hline 12x = 12 \end{array}$$

$$x = 1$$

$$9(1) - 3y = 6$$

$$9 - 3y = 6$$

$$+9$$

$$-3y = 15$$

$$y = -5$$

$$\boxed{(-1, -5)}$$

$$\begin{array}{r} 16) \quad 9x + 8y = -27 \\ - \quad -6x + 8y = 18 \\ \hline 15x = -45 \end{array}$$

$$x = -3$$

$$9(-3) + 8y = -27$$

$$-27 + 8y = -27$$

$$+27$$

$$8y = 0$$

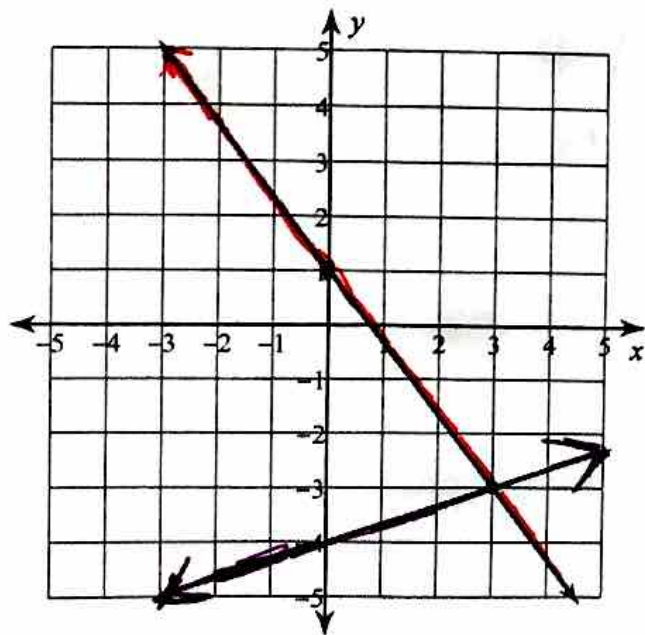
$$y = 0$$

$$\boxed{(-3, 0)}$$

Solve each system by graphing.

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

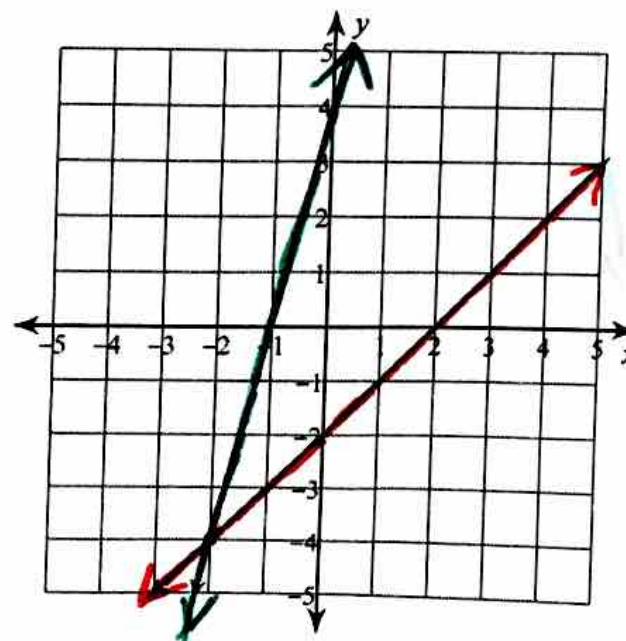
$-y = \frac{1}{3}x - 4$



(3, -3)

18)  $-y = x - 2$

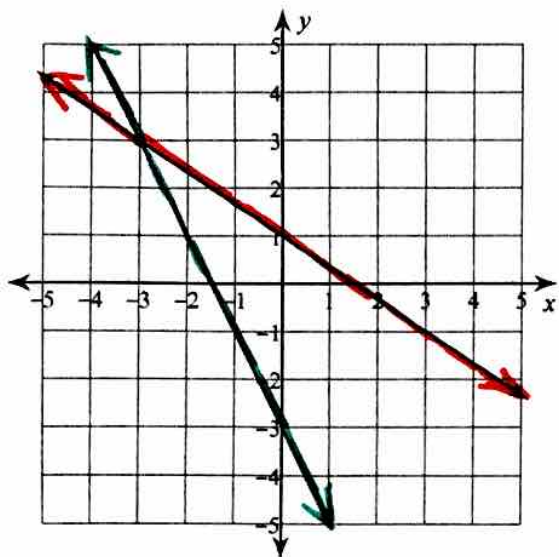
$-y = 4x + 4$



(-2, -4)

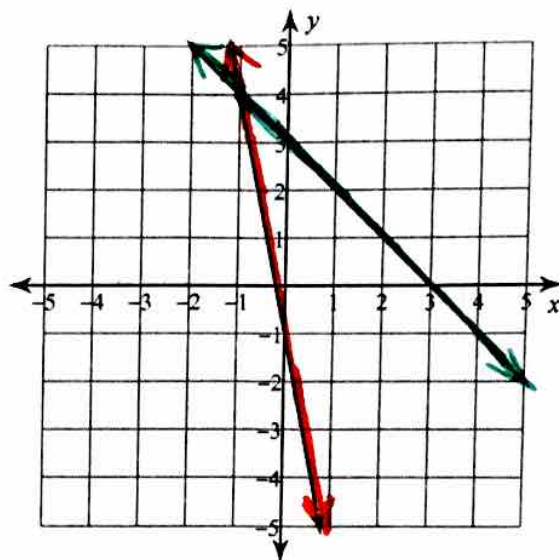
19)  $-y = -\frac{2}{3}x + 1$  -

-  $y = -2x - 3$  -



$(-3, 3)$

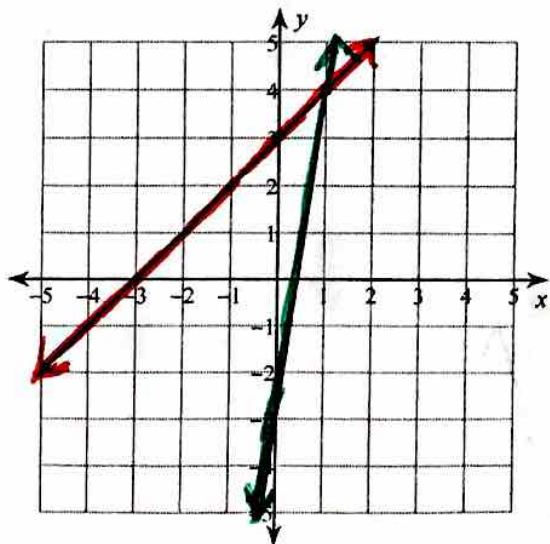
20)  $y = -5x - 1$  -  
 $y = -x + 3$



$(-1, 4)$

21)  $-y = x + 3$  -

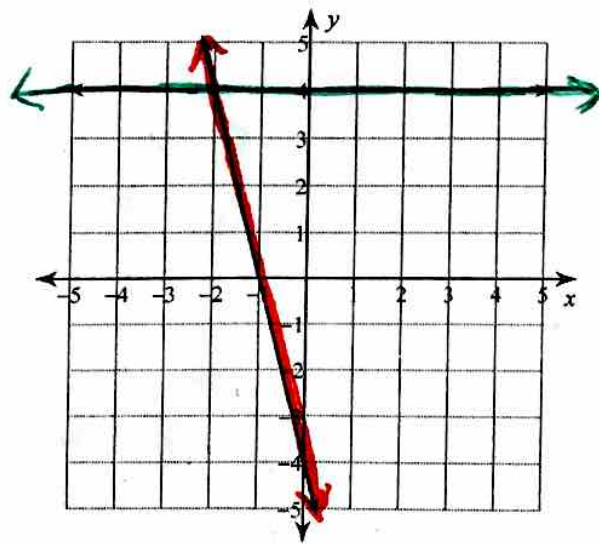
-  $y = 7x - 3$  -



$(1, 4)$

22)  $-y = -4x - 4$  -

-  $y = 4$  -



$(-2, 4)$