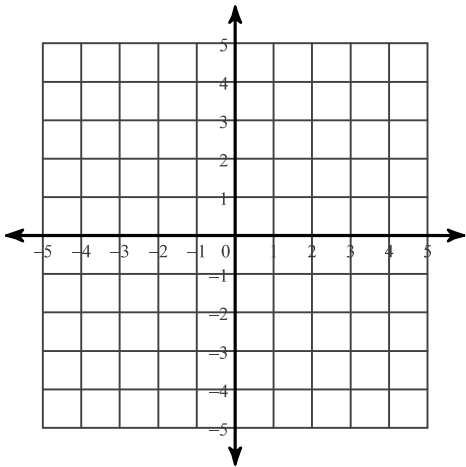


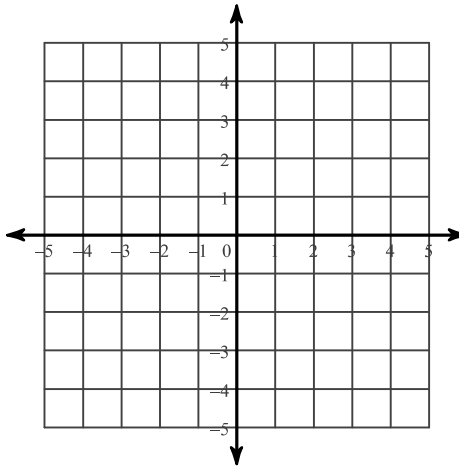
$$9) y = -\frac{3}{2}x + 4$$

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



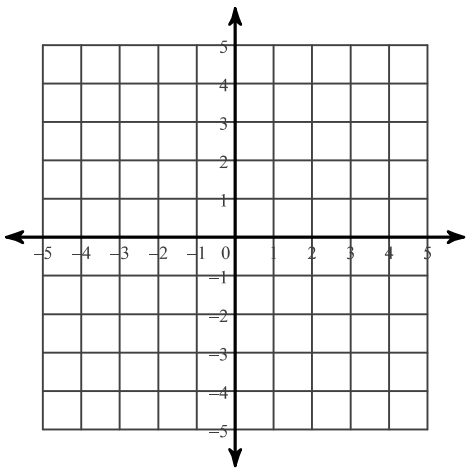
$$10) y = 2x - 4$$

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



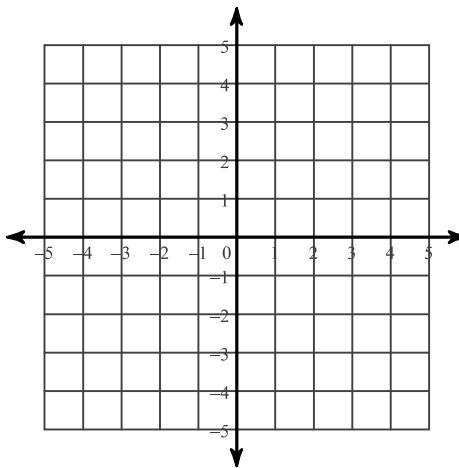
$$11) 5x + y = 4$$

$$x - y = 2$$



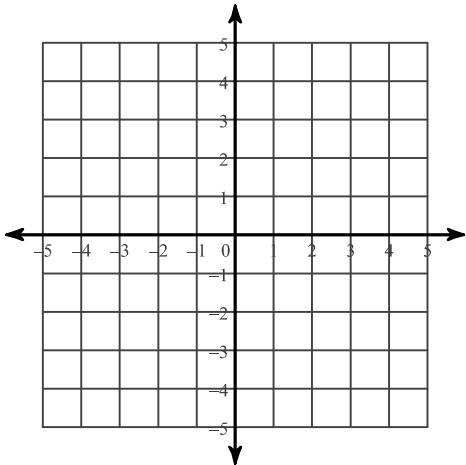
$$12) x - 4y = -4$$

$$5x - 4y = 12$$



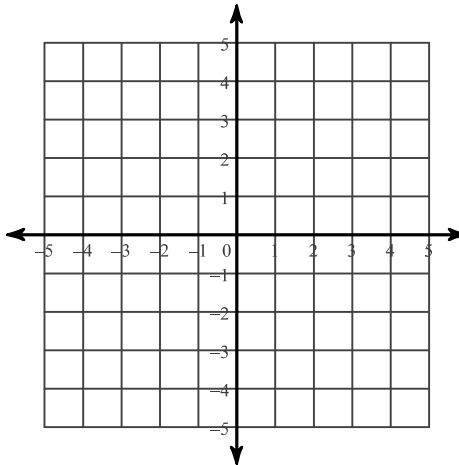
$$13) x + y = 3$$

$$8x + y = -4$$

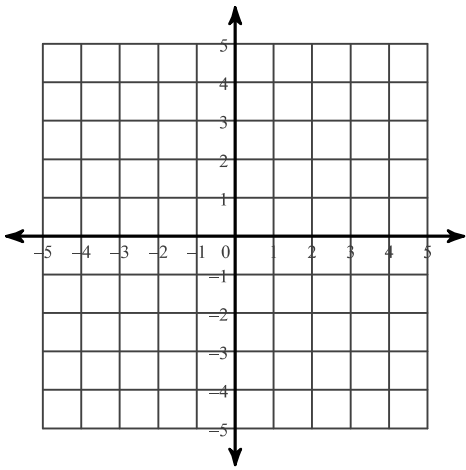


$$14) x - y = 2$$

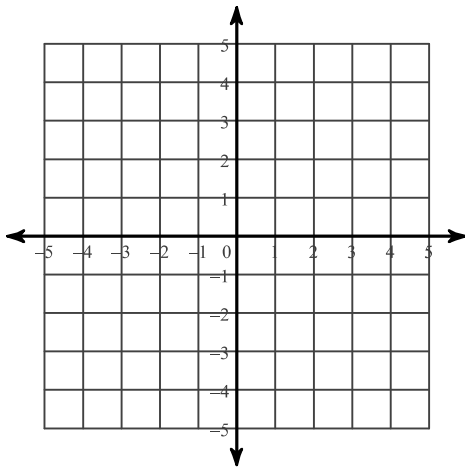
$$x = -2$$



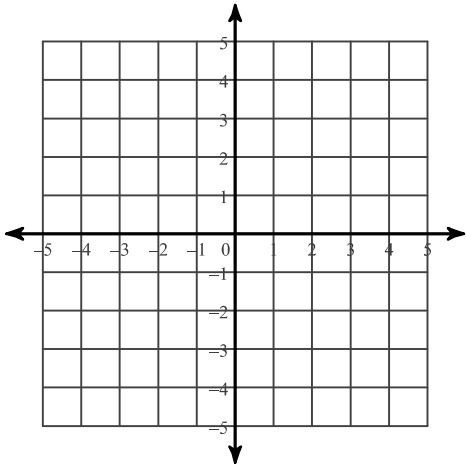
15)  $2x + y = 1$   
 $2x - y = 3$



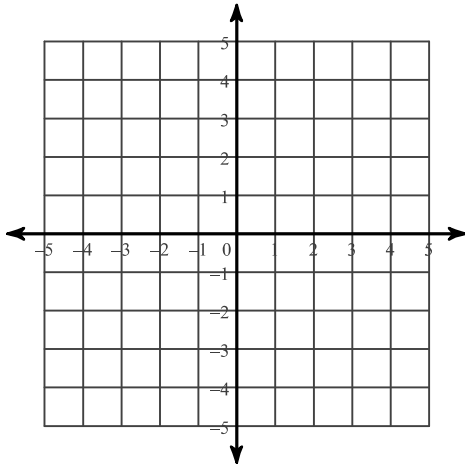
16)  $x - 3y = -6$   
 $2x - y = 3$



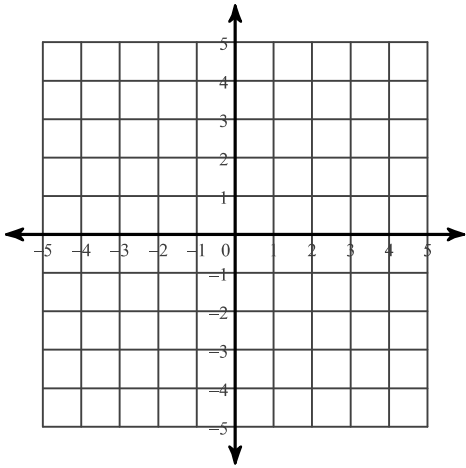
17)  $x + 3y = -12$   
 $5x - 3y = -6$



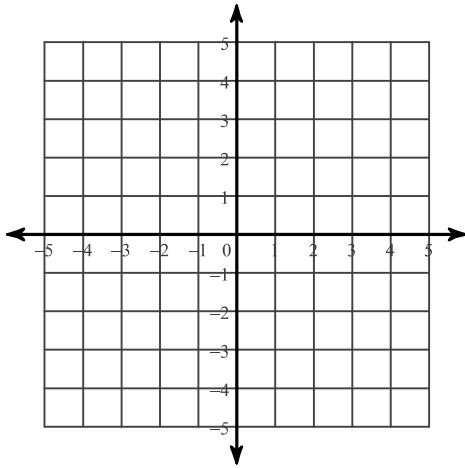
18)  $2x + y = -4$   
 $x + 4y = 12$



19)  $x + 2y = 8$   
 $x - 2y = -4$

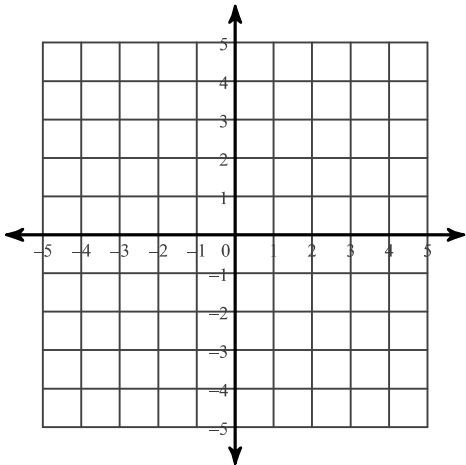


20)  $2x + 3y = -12$   
 $5x - 3y = -9$

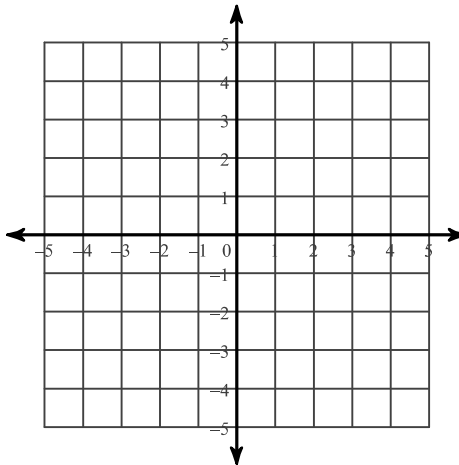


Solve each system by graphing (find the point of intersection of the two lines).

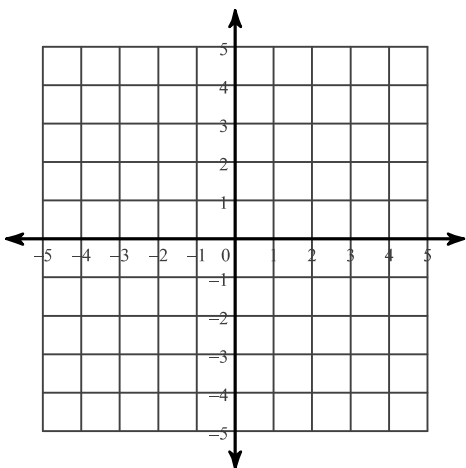
21)  $-6x + y = 4$   
 $-y - 2x = 4$



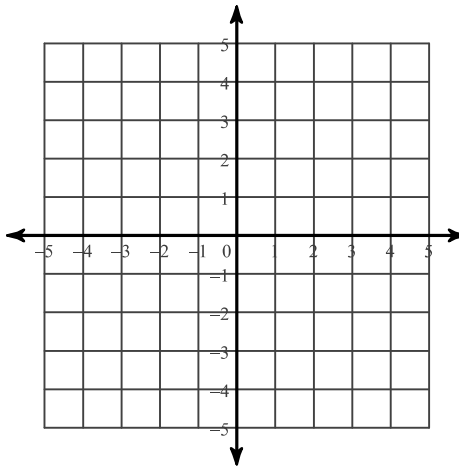
22)  $-y - 3 + 4x = 0$   
 $-4 = -3x - y$



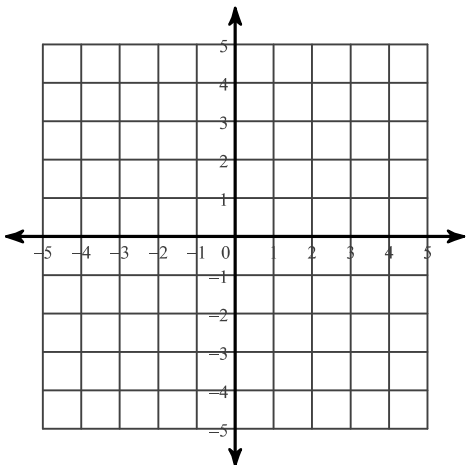
23)  $0 = -3x - 4 - 2y$   
 $2 - \frac{1}{2}x = y$



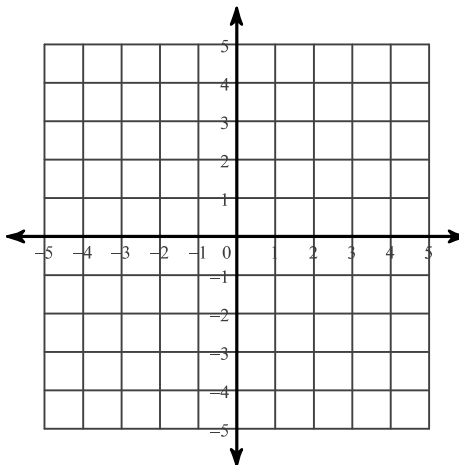
24)  $-2x - y = 1$   
 $-6x = 3y + 3$



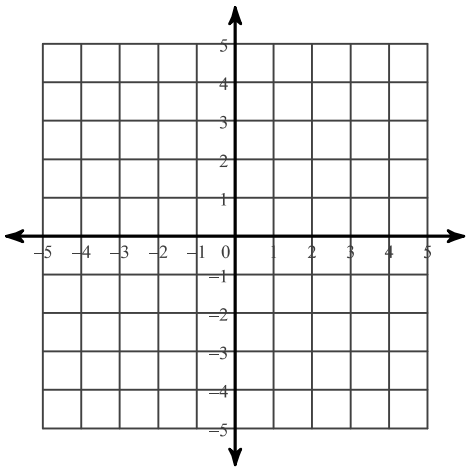
25)  $x - 2y + 8 = 0$   
 $-6 - 2y = -x$



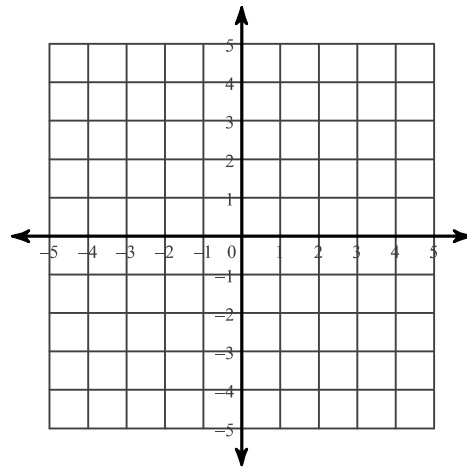
26)  $-2y - 5x = 2$   
 $-5x = 2y - 4$



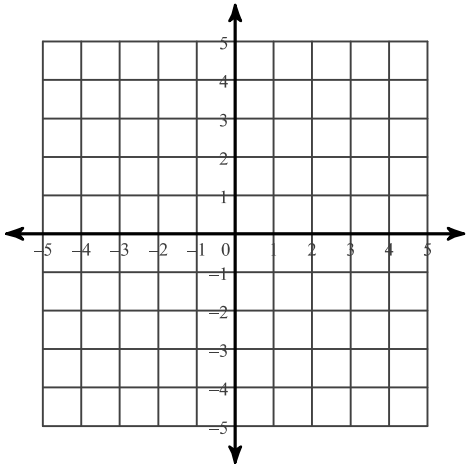
$$27) \begin{aligned} 2y + x - 4 &= 0 \\ 2y &= -x + 4 \end{aligned}$$



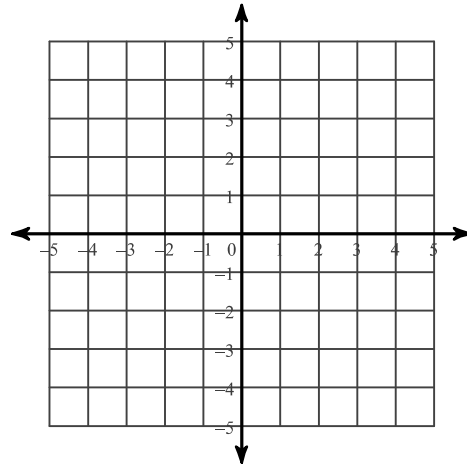
$$28) \begin{aligned} -4 &= -2y \\ 4 + 6x &= -y \end{aligned}$$



$$29) \begin{aligned} -2x &= -8 - 2y \\ -2y - 8 &= -2x \end{aligned}$$



$$30) \begin{aligned} 2y + 4 + 3x &= 0 \\ -2y &= 8 + 3x \end{aligned}$$



## Answers to Solving Systems of Equations by Graphing

- |                                  |                 |                                  |                |
|----------------------------------|-----------------|----------------------------------|----------------|
| 1) $(1, -1)$                     | 2) $(3, -4)$    | 3) $(3, -2)$                     | 4) $(-1, -3)$  |
| 5) $(-3, 3)$                     | 6) $(-4, 4)$    | 7) $(3, 1)$                      | 8) $(-1, -2)$  |
| 9) $(2, 1)$                      | 10) $(4, 4)$    | 11) $(1, -1)$                    | 12) $(4, 2)$   |
| 13) $(-1, 4)$                    | 14) $(-2, -4)$  | 15) $(1, -1)$                    | 16) $(3, 3)$   |
| 17) $(-3, -3)$                   | 18) $(-4, 4)$   | 19) $(2, 3)$                     | 20) $(-3, -2)$ |
| 21) $(-1, -2)$                   | 22) $(1, 1)$    | 23) $(-4, 4)$                    |                |
| 24) Infinite number of solutions | 25) No solution | 26) No solution                  |                |
| 27) Infinite number of solutions | 28) $(-1, 2)$   | 29) Infinite number of solutions |                |
| 30) No solution                  |                 |                                  |                |