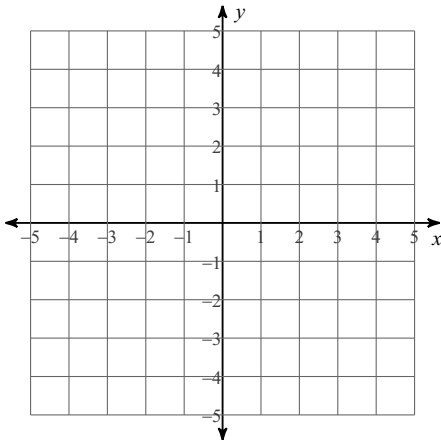


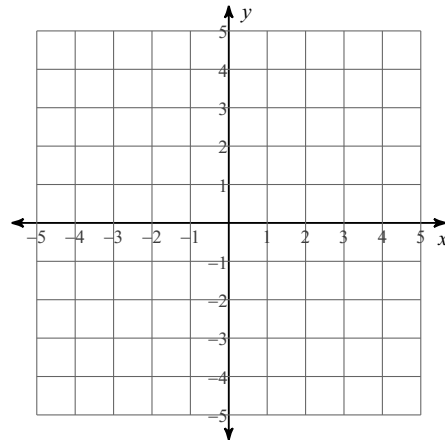
Systems of Equations & Inequalities by Graphing Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each system by graphing.

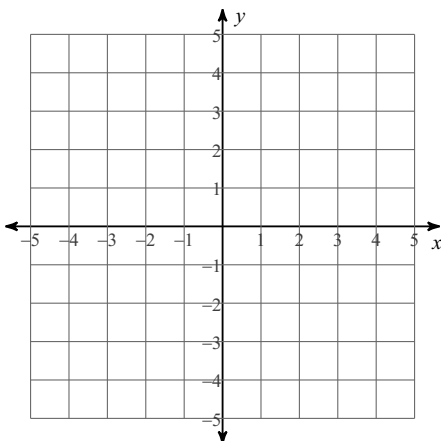
1)  $y = \frac{1}{2}x - 3$   
 $y = \frac{5}{2}x + 1$



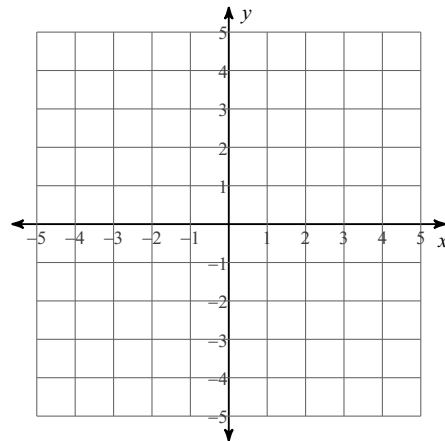
2)  $y = \frac{7}{2}x - 4$   
 $y = -\frac{1}{2}x + 4$



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

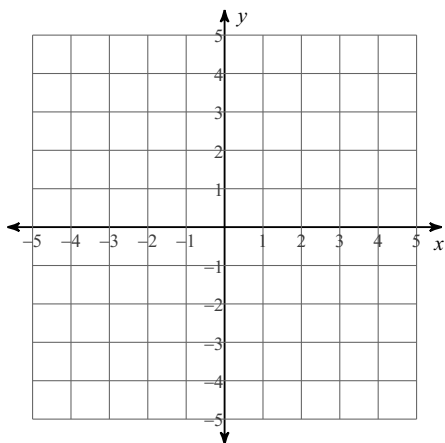


4)  $y = -x + 2$   
 $y = x + 4$



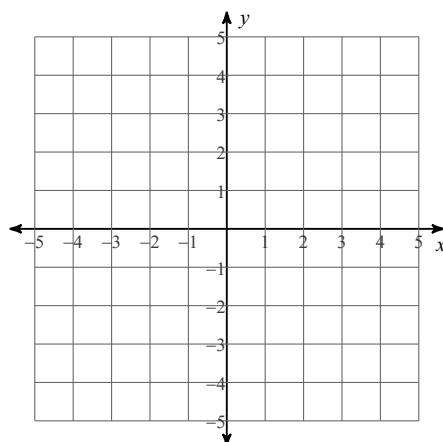
$$5) y = \frac{7}{3}x - 4$$

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



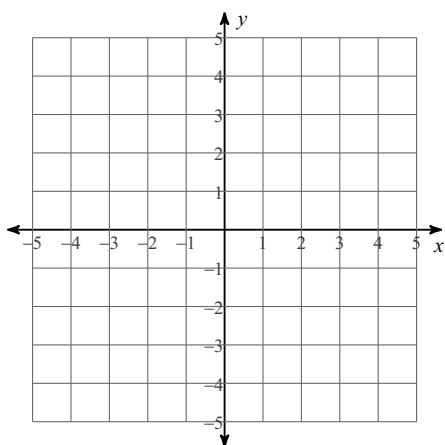
$$6) y = \frac{2}{3}x - 1$$

$$2x - 3y = 3$$



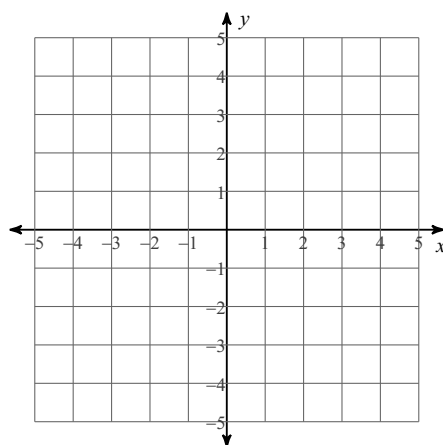
$$7) 2x - y = -2$$

$$y = 4$$

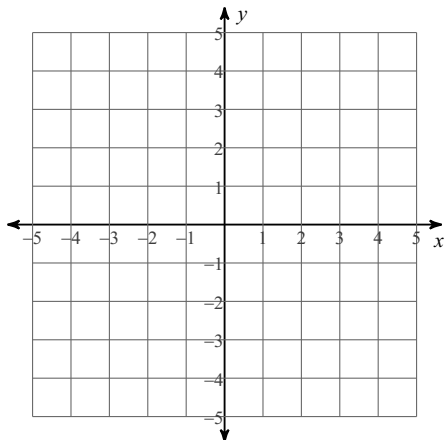


$$8) x - y = -4$$

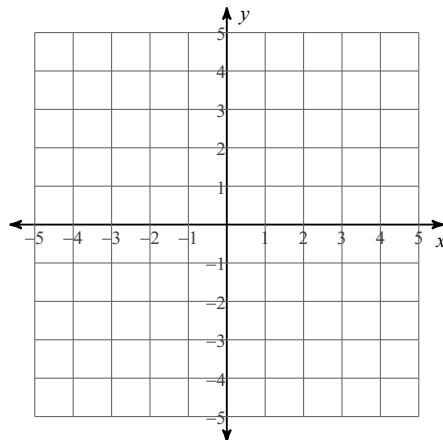
$$5x + 3y = -12$$



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

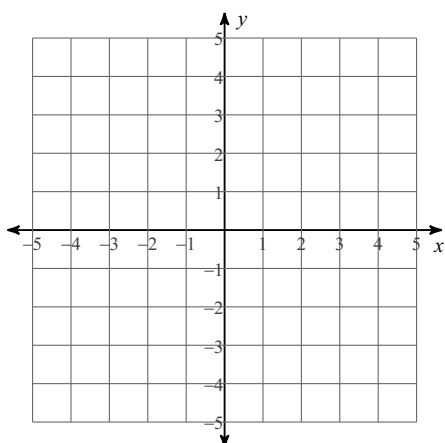


$$10) \begin{aligned} 3x - 4y &= -16 \\ x + 2y &= -2 \end{aligned}$$

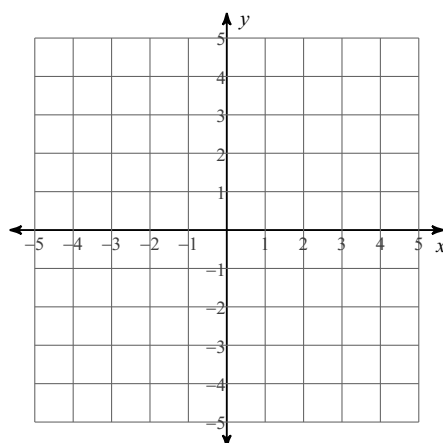


Sketch the solution to each system of inequalities.

$$11) \begin{aligned} y &\geq -\frac{5}{3}x + 3 \\ y &> \frac{1}{3}x - 3 \end{aligned}$$

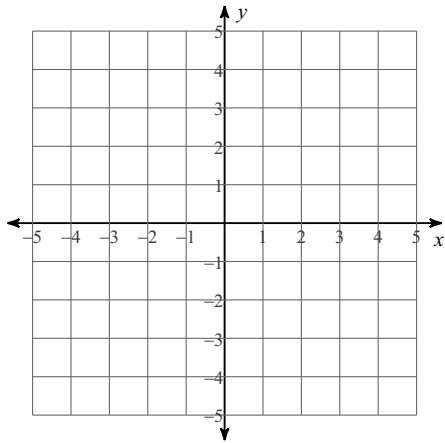


$$12) \begin{aligned} y &< \frac{4}{3}x - 2 \\ y &< \frac{1}{3}x + 1 \end{aligned}$$



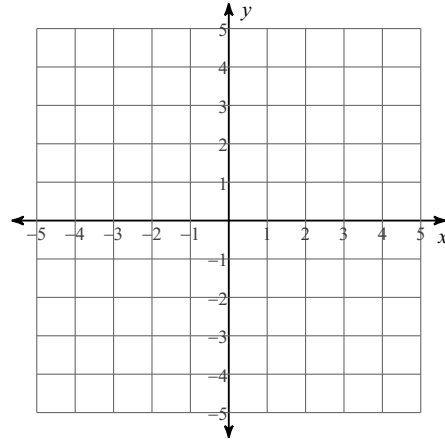
$$13) y \geq \frac{1}{3}x + 2$$

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



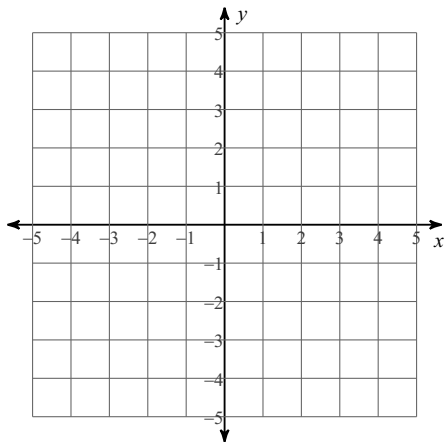
$$14) 5x + 3y < 9$$

$$5x + 3y < -9$$



$$15) 2x + 3y \leq -3$$

$$2x - 3y > -9$$



$$16) x - y \geq -3$$

$$x \leq -1$$

