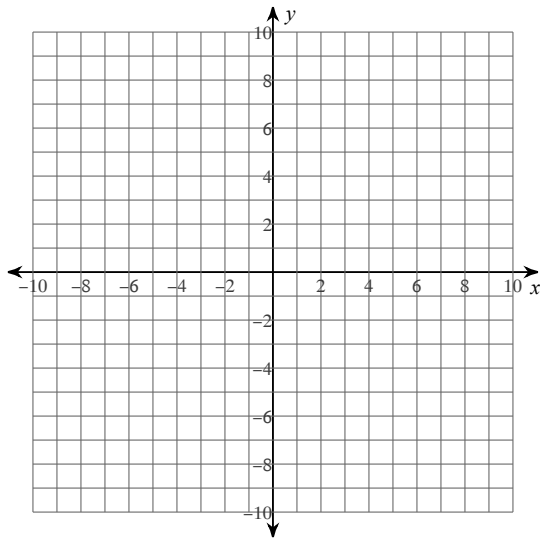


E (REI.D) - Graphing Systems of Inequalities WS#1

Sketch the solution to each system of inequalities.

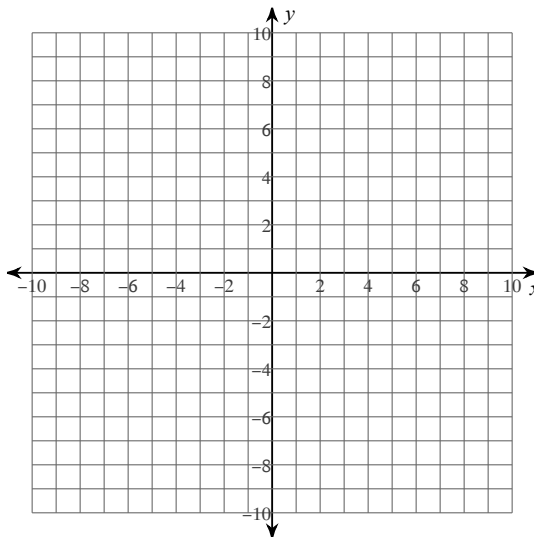
1)  $y \leq -\frac{9}{5}x - 5$

$y \geq \frac{2}{5}x + 6$



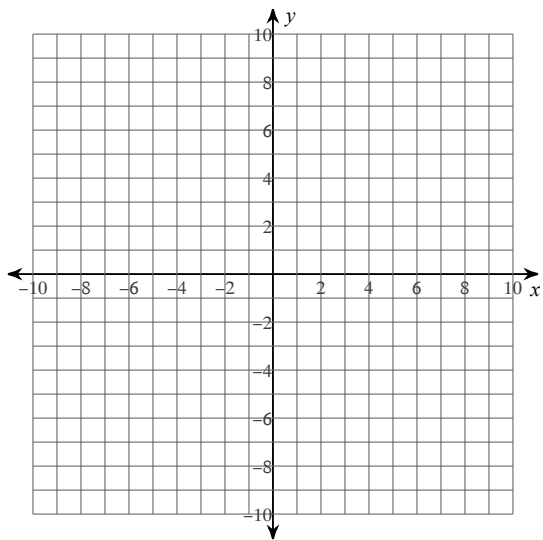
2)  $y > \frac{9}{8}x + 8$

$x > -8$



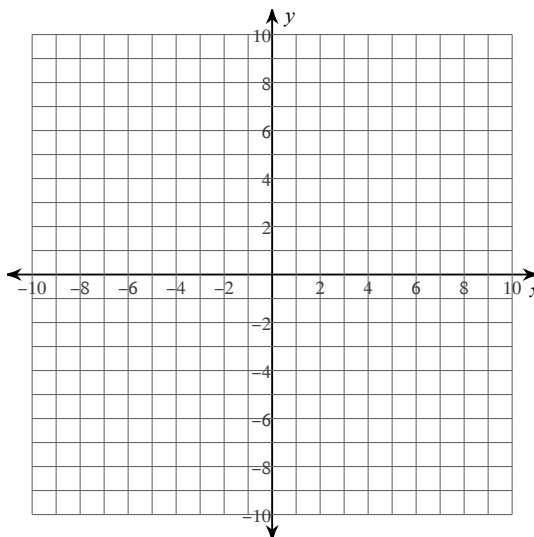
3)  $y < \frac{7}{3}x + 1$

$y \geq \frac{7}{3}x - 7$



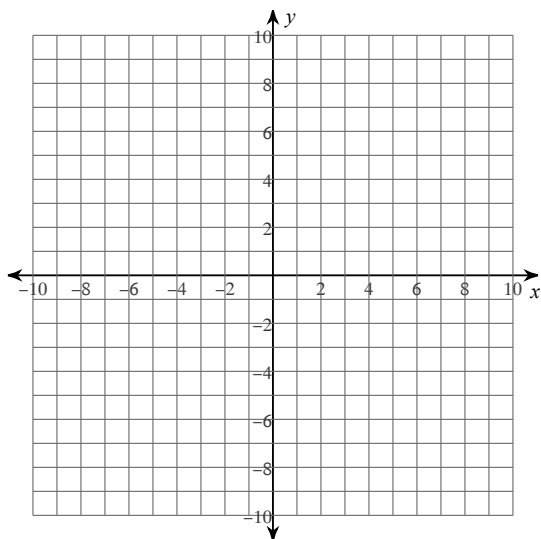
4)  $y < -x - 8$

$y \geq 2x - 5$



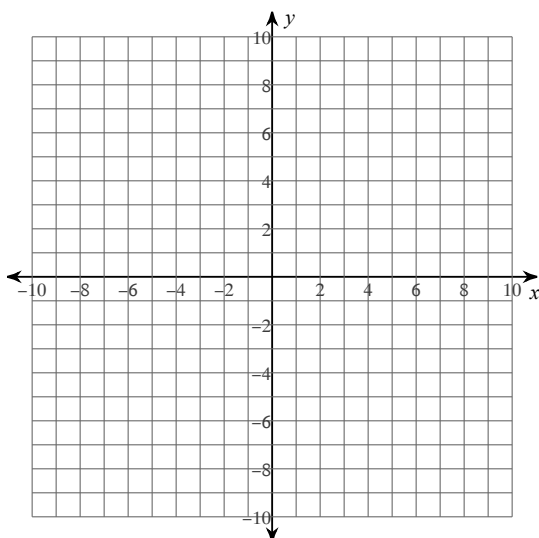
$$5) y \leq -\frac{8}{3}x + 4$$

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



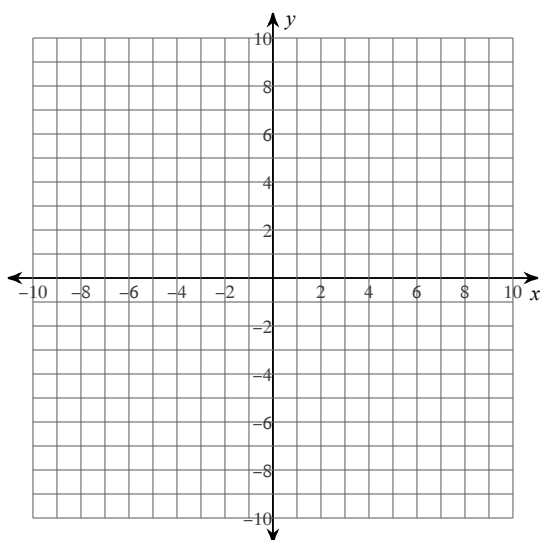
$$6) y \leq 9x + 3$$

$$y < x - 5$$



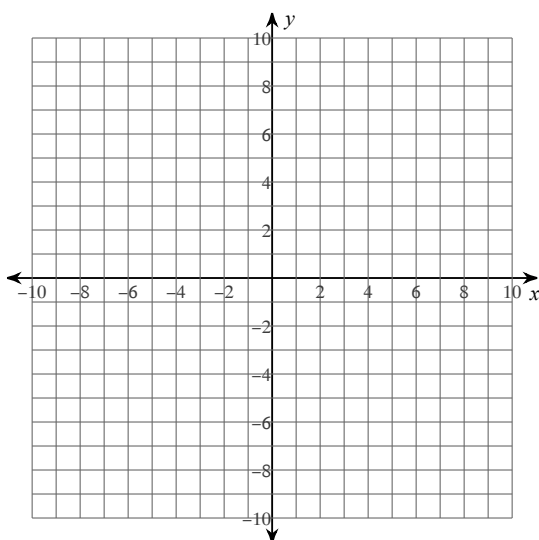
$$7) x \geq 5$$

$$y > \frac{4}{5}x - 7$$

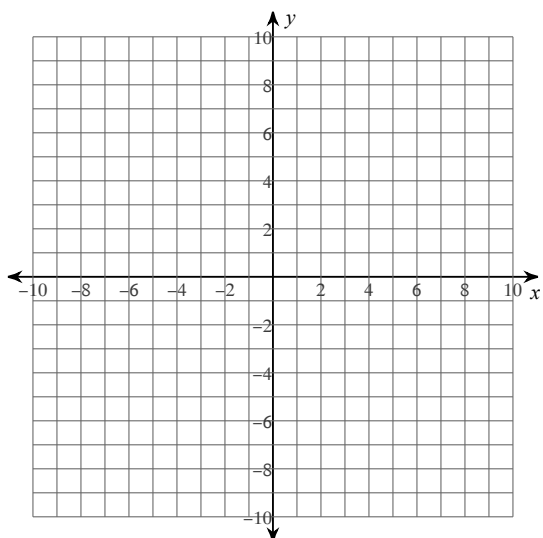


$$8) y > 3x - 8$$

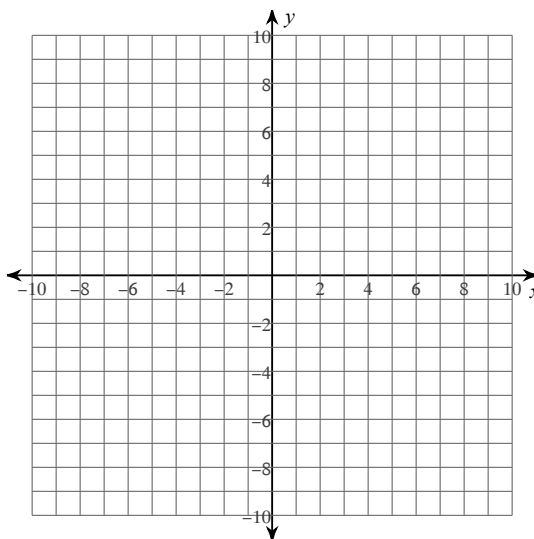
$$y \leq \frac{4}{5}x + 3$$



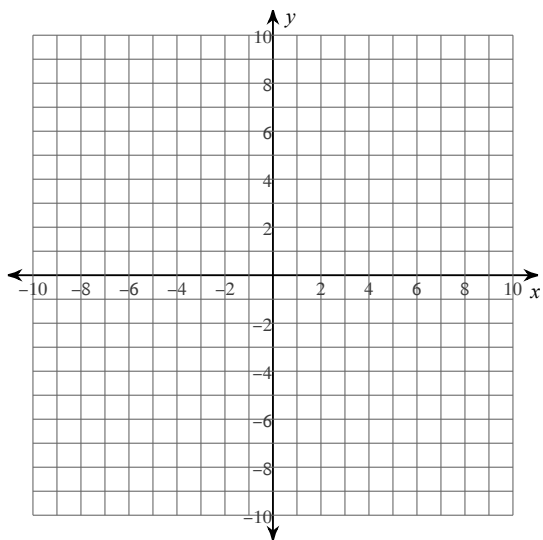
$$9) \begin{aligned} y &> 2x - 4 \\ y &> -6x + 4 \end{aligned}$$



$$10) \begin{aligned} y &> \frac{7}{4}x + 2 \\ y &\leq -\frac{3}{4}x - 8 \end{aligned}$$



$$11) \begin{aligned} y &< -\frac{5}{4}x - 1 \\ y &< \frac{1}{4}x + 5 \end{aligned}$$



$$12) \begin{aligned} x &< 4 \\ y &\leq -\frac{3}{2}x + 8 \end{aligned}$$

