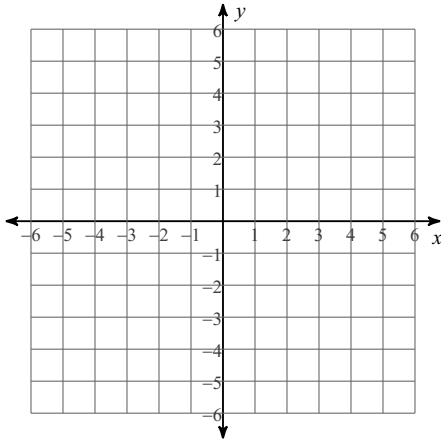


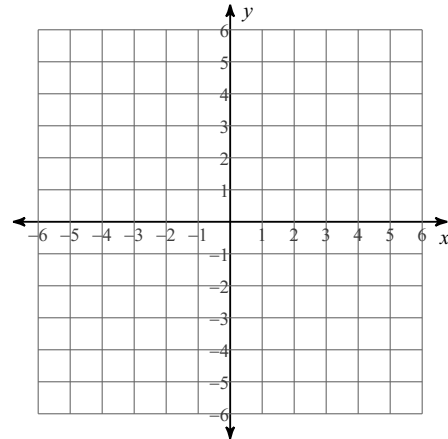
Graphing Inequalities and Systems of Inequalities

Sketch the graph of each linear inequality.

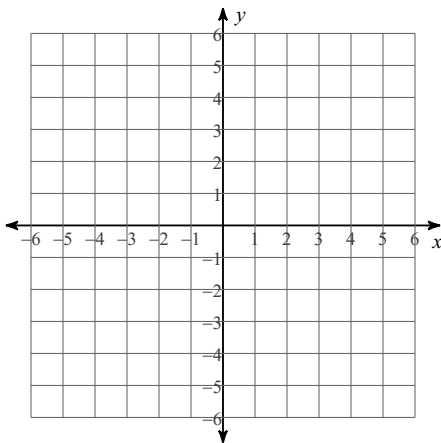
1) $y < 4x + 4$



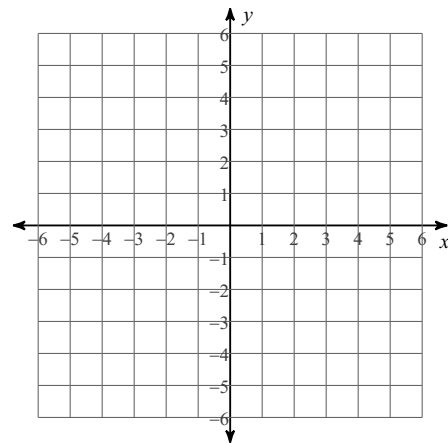
2) $y > \frac{1}{4}x + 1$



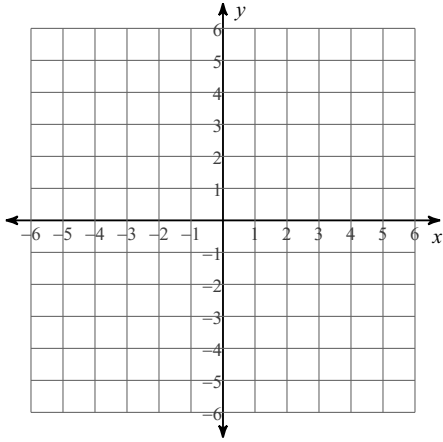
3) $2x + y > 0$



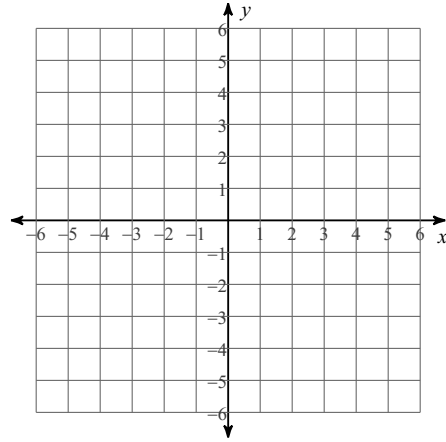
4) $9x - 4y > 20$



5) $3x + 4y \geq 16$



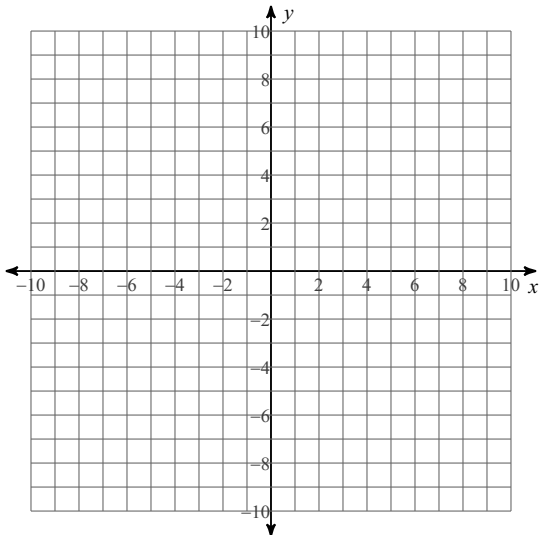
6) $5x - y \leq 3$



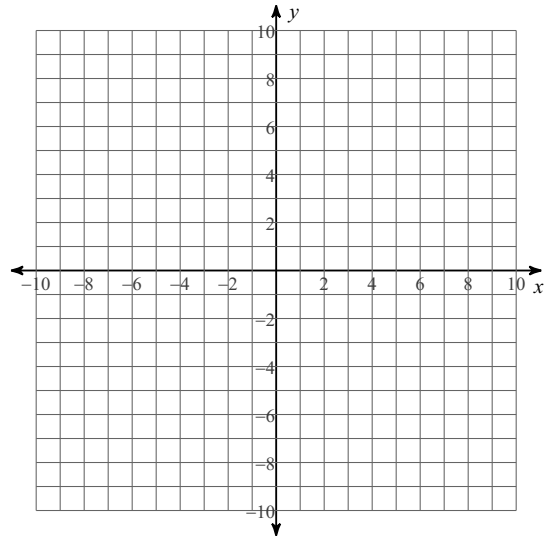
Sketch the solution to each system of inequalities.

7) $y < -\frac{3}{8}x - 8$

$y < \frac{3}{2}x + 7$

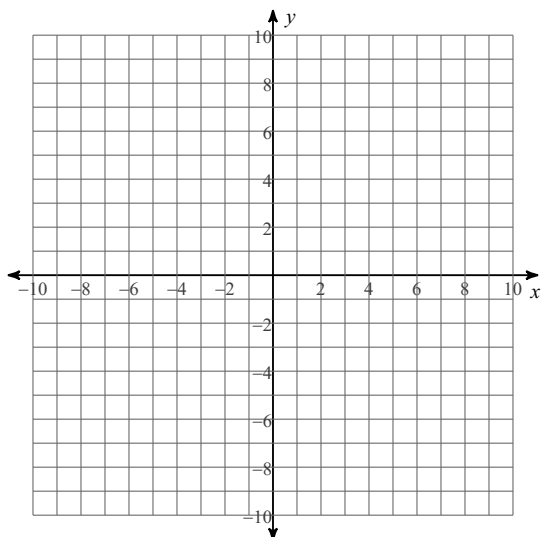


8) $y \leq x + 3$
 $y \geq -4x - 2$



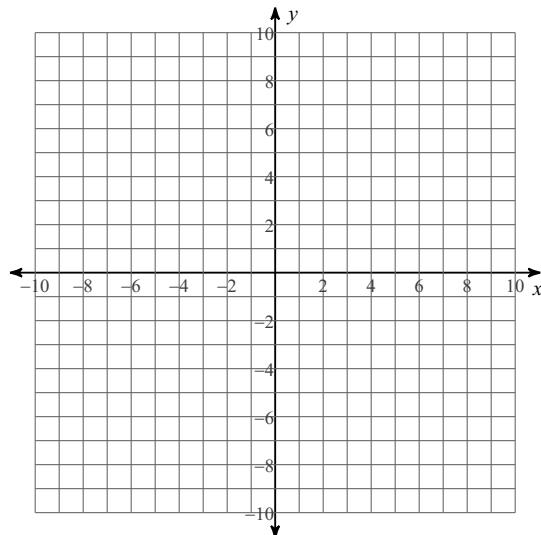
$$9) y > -\frac{9}{8}x + 7$$

$$y \leq \frac{1}{2}x - 6$$



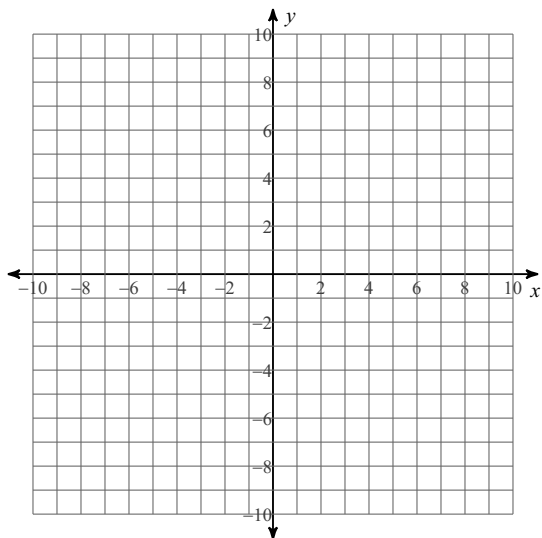
$$10) y > x - 8$$

$$y \leq -12x + 5$$



$$11) 2x + 7y \leq 56$$

$$13x - 7y \leq 49$$



$$12) 3x - y \leq -1$$

$$x - 2y < 8$$

