

Inequalities Review after Learning Check

Solve each inequality and graph its solution.

1) $35 + 7k > 7(1 + 3k)$

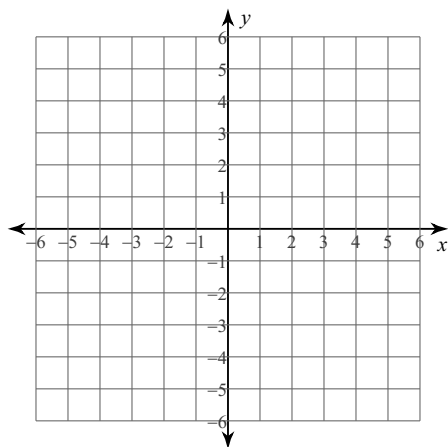
2) $7(4x - 7) \geq 35 + 7x$

3) $-8(x + 5) \geq -40 - 8x$

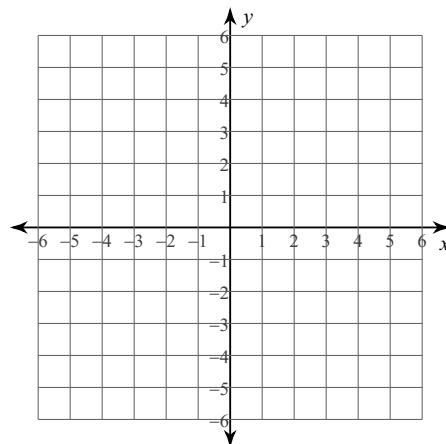
4) $-4(8x + 3) - 7 < -6x - 19$

Sketch the graph of each linear inequality.

5) $4x - 3y > -3$

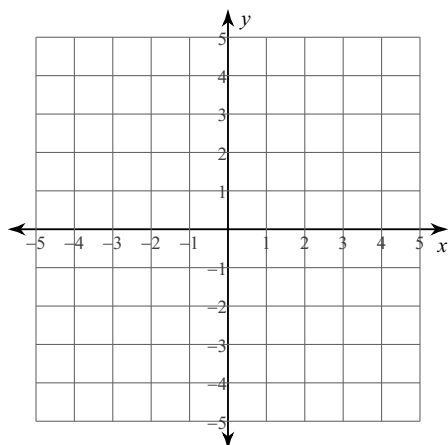


6) $y \leq -\frac{1}{4}x - 4$

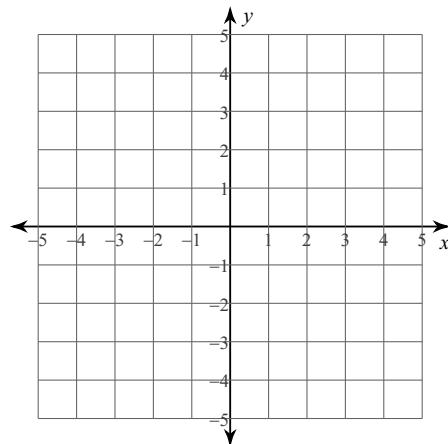


Sketch the solution to each system of inequalities.

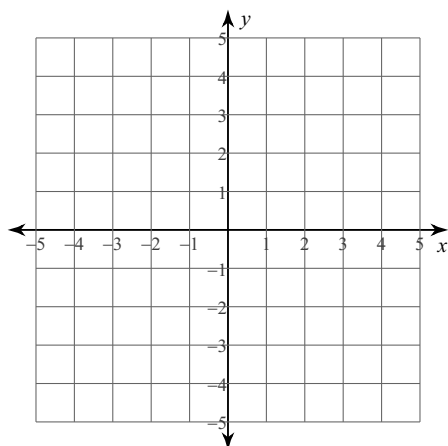
7) $y > 2x - 3$
 $y \leq \frac{2}{3}x + 1$



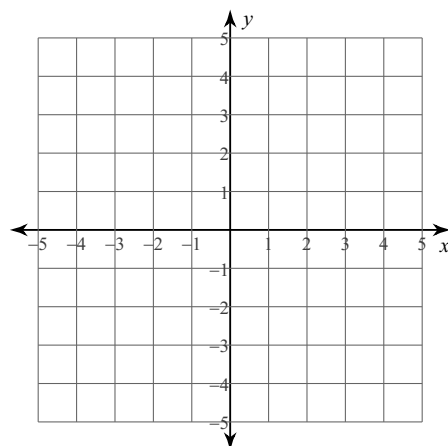
8) $y > \frac{1}{2}x - 2$
 $y > \frac{1}{2}x - 3$



9) $5x + 3y < -6$
 $x + 3y \geq 6$



10) $4x - 3y \leq -3$
 $x \leq -3$



Answers to Inequalities Review after Learning Check

