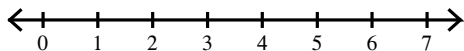


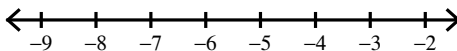
Test review

Solve each inequality and graph its solution.

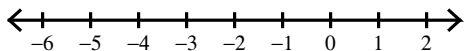
1) $6(10 - 9x) + 11 < -91$



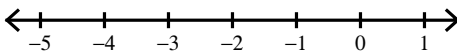
2) $9(11 + 3x) + 10 \leq -80$



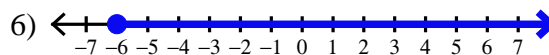
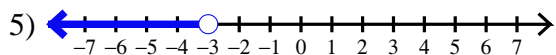
3) $3(2 - x) + 6(x + 2) \geq 9$



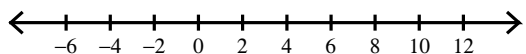
4) $2(2x - 1) + 2(7 + 2x) < -12$



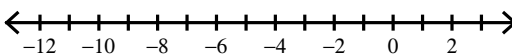
Write an inequality for each graph in set and interval notation.



7) $7 + b \leq 4$ or $b - 2 \geq 6$

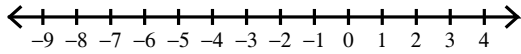


8) $10m \geq -20$ or $m - 6 \leq -13$

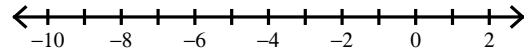


Solve each compound inequality and graph its solution.

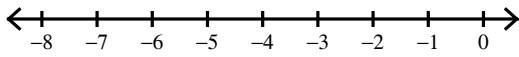
9) $x - 2 > -1$ or $x - 9 < -13$



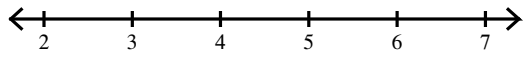
10) $112 > -14x > -14$



11) $8x - 4 > 7x - 7$ or $-8 - 9x \geq 4 - 6x$

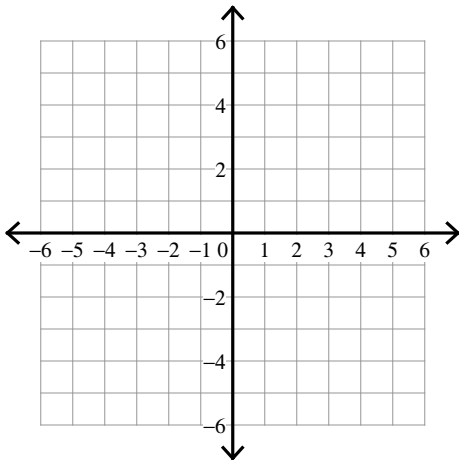


12) $5x + 3 \leq 4x + 7 \leq 8x - 5$

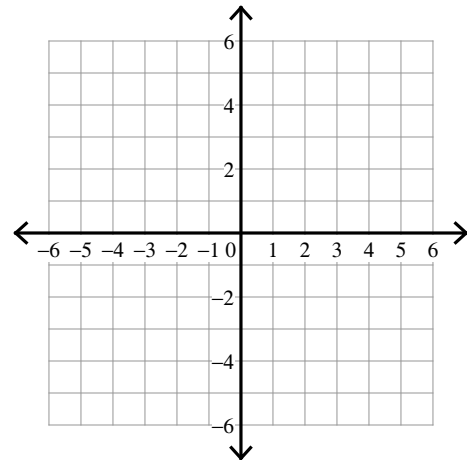


Sketch the graph of each linear inequality.

13) $4x + y < 2$

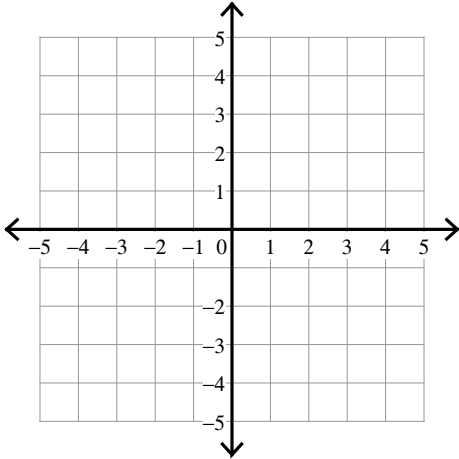


14) $4x - 5y \leq 15$

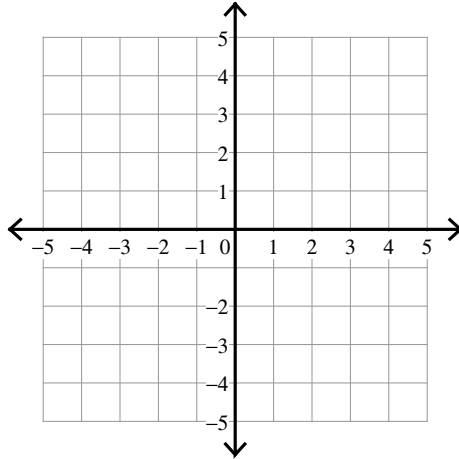


Sketch the solution to each system of inequalities.

15) $x + y > -3$
 $3x - 2y \geq -4$

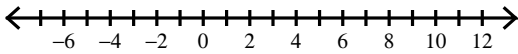


16) $x + 3y \leq -9$
 $5x - 3y > -9$

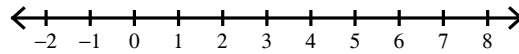


Solve each inequality, graph its solution, and write your final answer in interval notation.

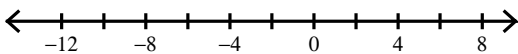
17) $|-2 + x| \geq 6$



18) $-7|-2 + x| > -21$



19) $8|3 + 2x| + 7 > 111$



20) $-4|-8 - x| + 8 > -40$

