

Inequalities Unit Review

Solve each inequality and graph its solution.

1) $-8(r - 6) < 88$

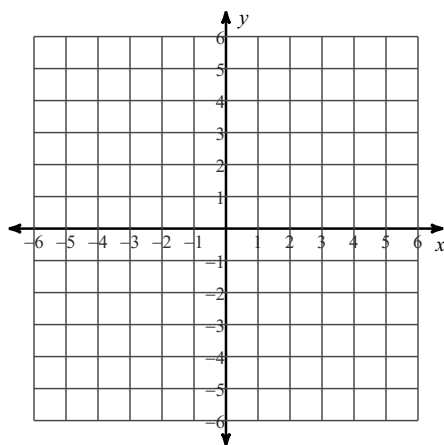
2) $248 \geq -8(-8n - 7)$

3) $85 \leq 3 + 2(6x + 5)$

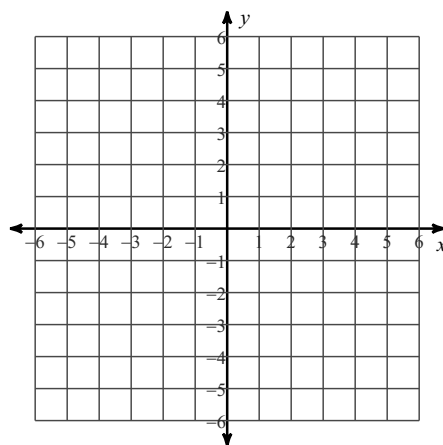
4) $-8(v + 7) < -104$

Sketch the graph of each linear inequality.

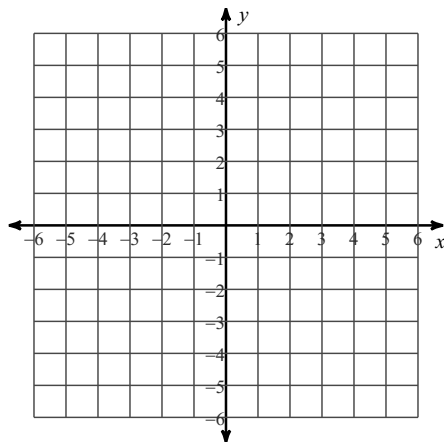
5) $y \geq \frac{3}{2}x - 5$



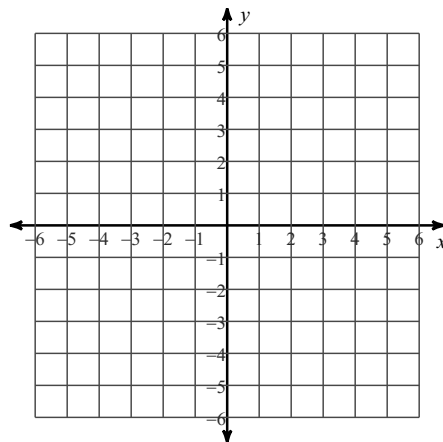
6) $y < \frac{3}{5}x + 5$



7) $5x - y \leq 2$



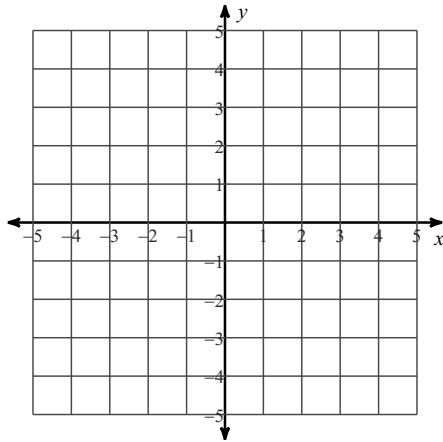
8) $x + 4y < -16$



Sketch the solution to each system of inequalities.

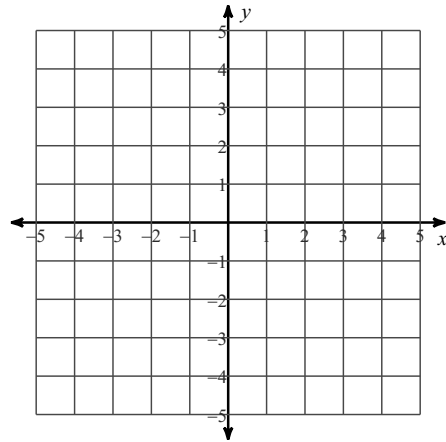
9) $y < \frac{1}{2}x - 2$

$y \leq \frac{5}{2}x + 2$

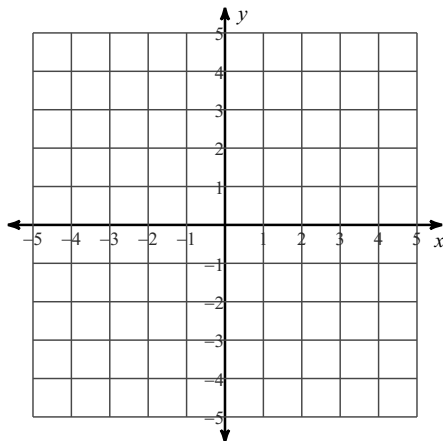


10) $y \leq -\frac{5}{2}x - 3$

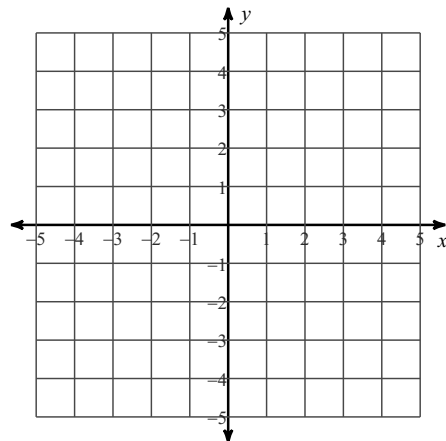
$y > -\frac{1}{2}x + 1$



11) $x - 2y \geq 6$
 $5x + 2y > 6$



12) $x - 3y \geq -9$
 $4x + 3y < -6$



Answers to Inequalities Unit Review

