

5.7 Graphing inequalities in two variables HW-1

Tell whether the boundary line is dashed or solid

1) $x \geq 2$

2) $x < 2$

Tell whether the ordered pair is a solution of the inequality

3) $x + y < -4$; (0,0)

4) $x - y \leq 5$; (8, 3)

5) $y - x > -2$; (-1, -4)

Solve each inequality.

6) $59 > -8m - 5$

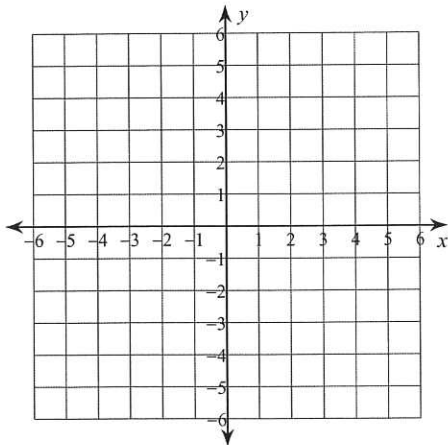
7) $-3p + 1 \geq -17$

8) $7(x + 5) < 168$

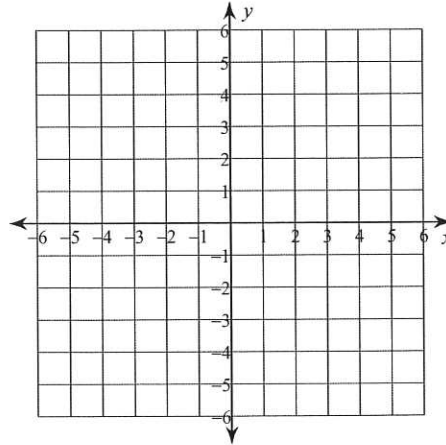
9) $9(n + 4) > 198$

Sketch the graph of each linear inequality.

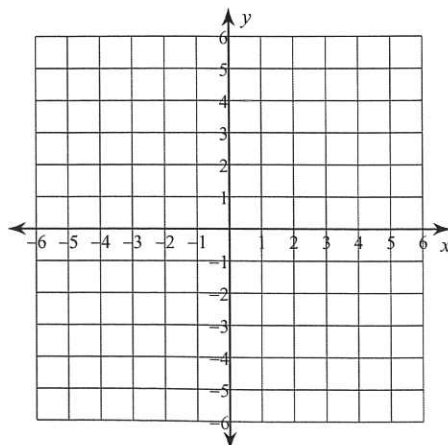
10) $y \geq -x + 2$



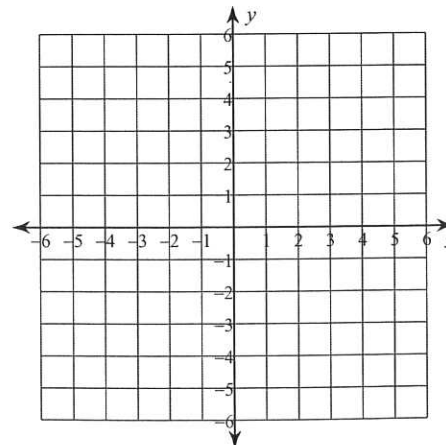
11) $y > -3x + 5$



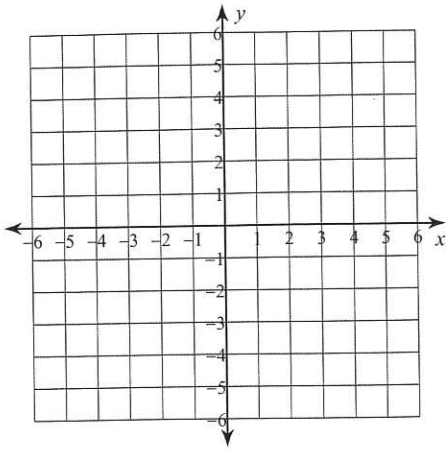
12) $y > 2x + 1$



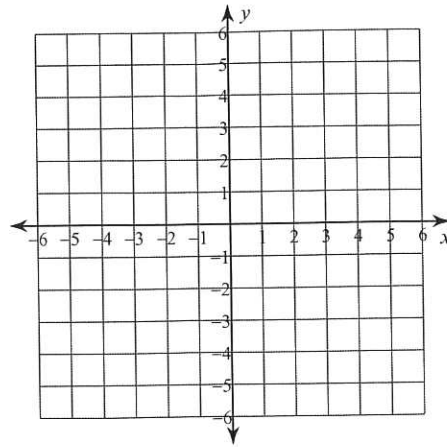
13) $y < -x - 1$



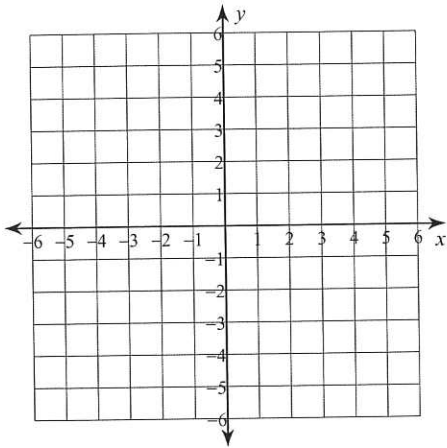
14) $y < 2x - 5$



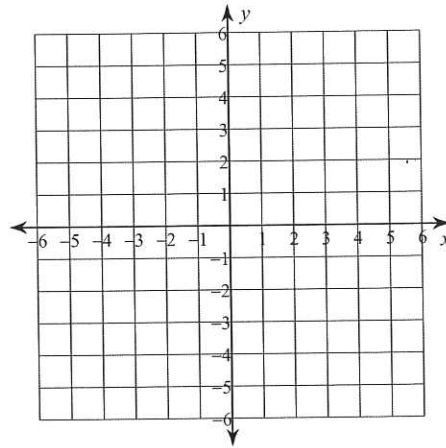
15) $2x + 5y < -10$



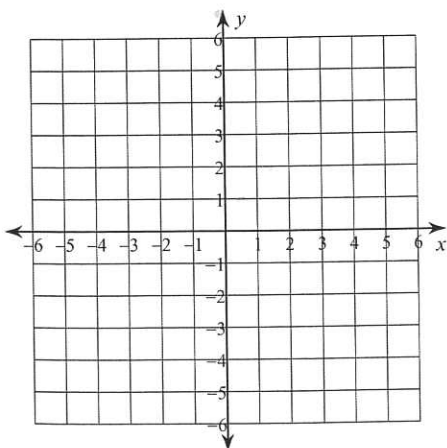
16) $x + 3y \leq 9$



17) $x \geq 3$



18) $2x + 5y < -15$



19) $5x - 2y > -4$

