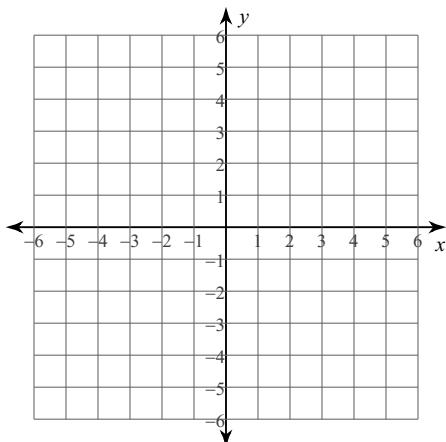


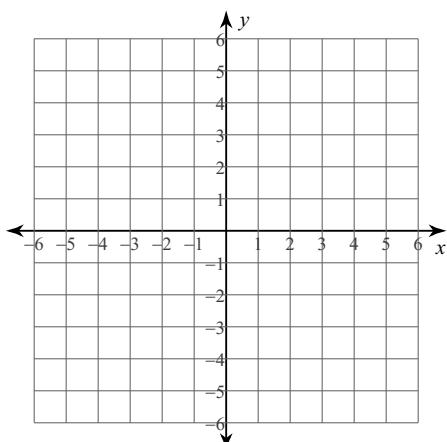
## Homework 13.3

Sketch the graph of each linear inequality.

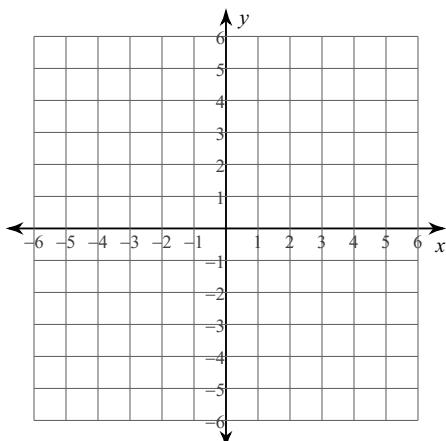
1)  $y < -2x - 1$



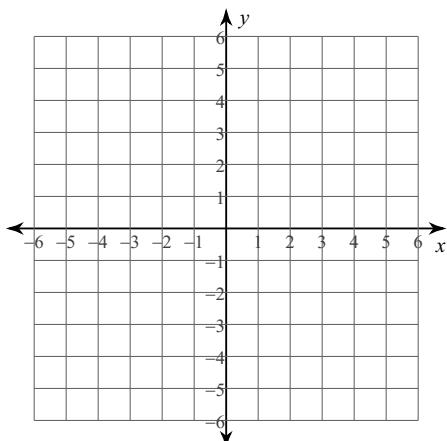
2)  $y \leq -\frac{4}{5}x$



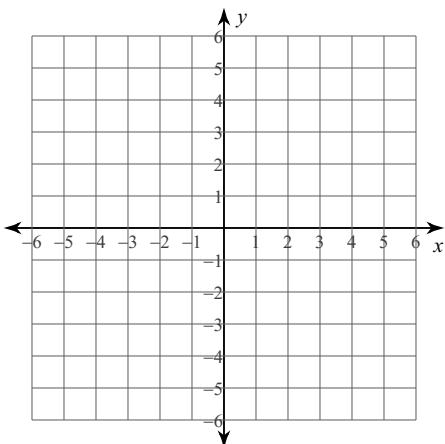
3)  $y \geq 2x - 5$



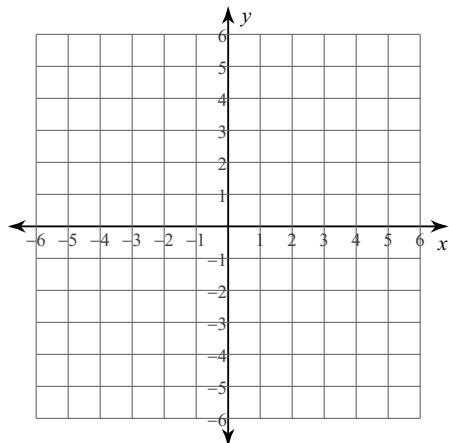
4)  $y > -3x + 4$



5)  $y \geq -\frac{1}{4}x$



6)  $y \geq -x - 1$



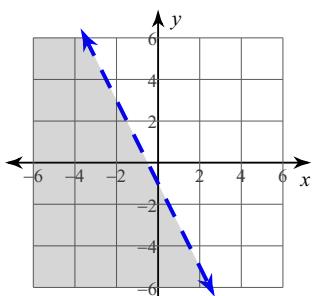
**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

7) through:  $(3, 5)$ , slope =  $\frac{10}{3}$

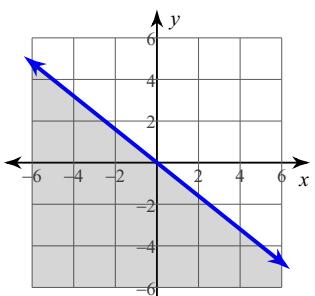
8) through:  $(-1, 0)$ , slope = 4

### Answers to Homework 13.3

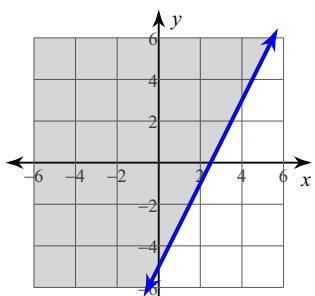
1)



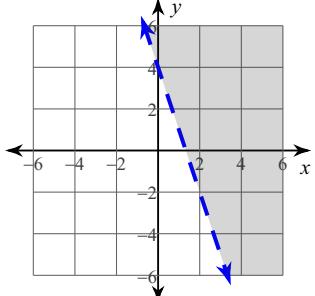
2)



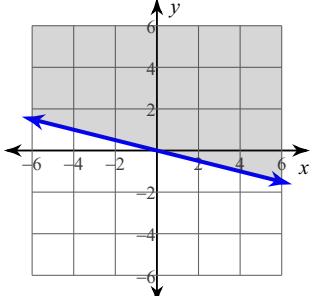
3)



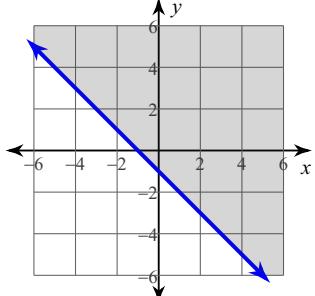
4)



5)



6)



7)  $y = \frac{10}{3}x - 5$

8)  $y = 4x + 4$