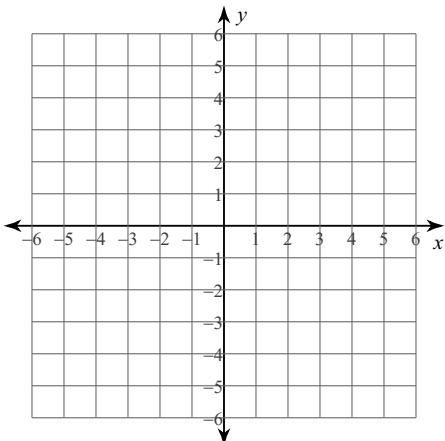


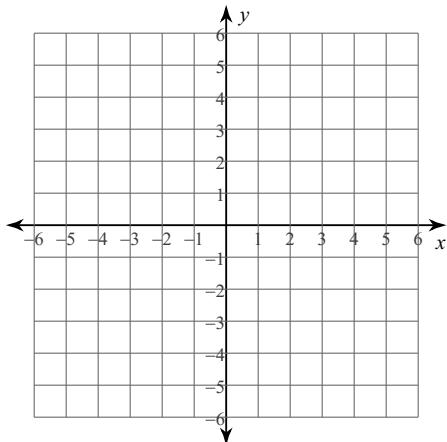
## Homework 13.1

Sketch the graph of each linear inequality.

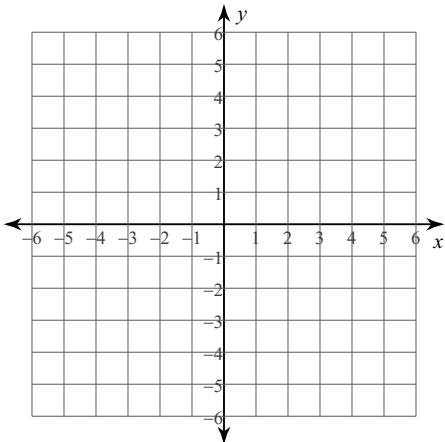
1)  $y > -\frac{2}{5}x$



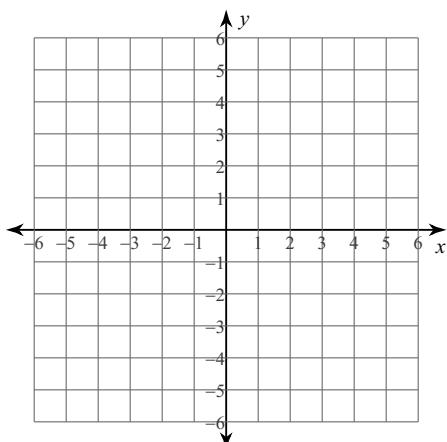
2)  $y \leq -2x - 3$



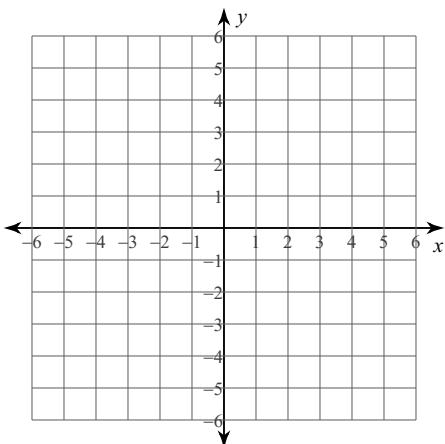
3)  $y > -x - 1$



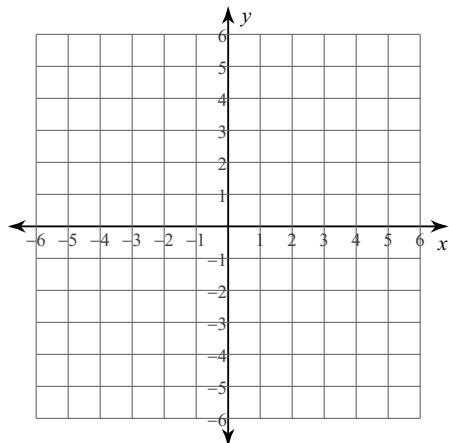
4)  $y > -\frac{1}{4}x$



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



6)  $y \geq x - 4$



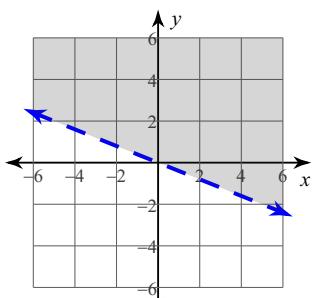
**Write the slope-intercept form of the equation of the line through the given point with the given slope.**

7) through:  $(-4, -3)$ , slope =  $\frac{3}{2}$

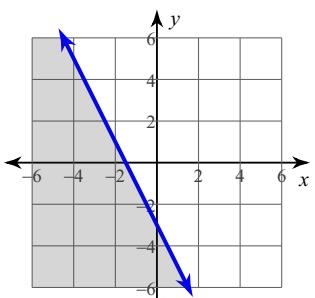
8) through:  $(3, -2)$ , slope =  $-\frac{5}{2}$

## Answers to Homework 13.1

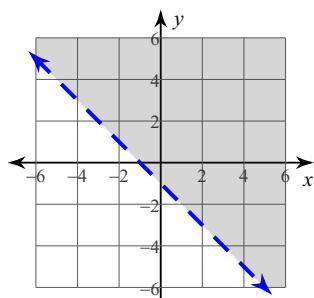
1)



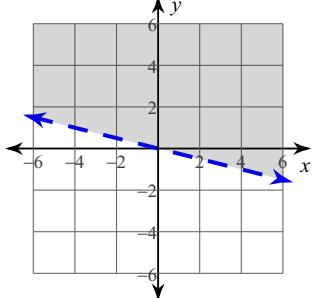
2)



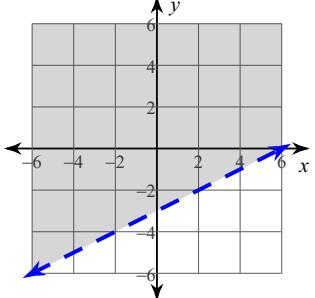
3)



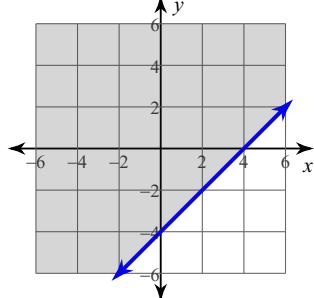
4)



5)



6)



7)  $y = \frac{3}{2}x + 3$

8)  $y = -\frac{5}{2}x + \frac{11}{2}$