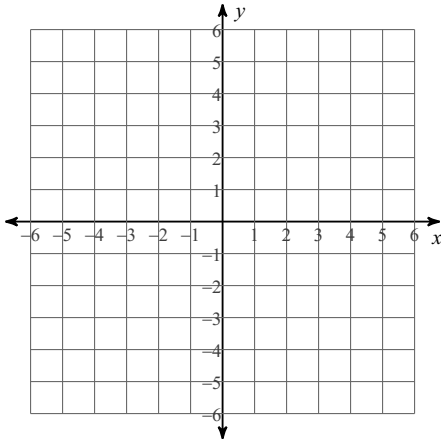


## Practice Linear Inequalities Plus

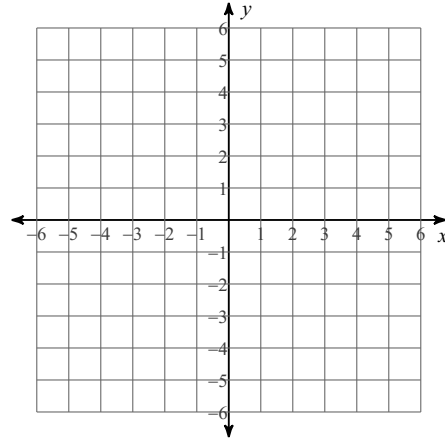
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the graph of each linear inequality.

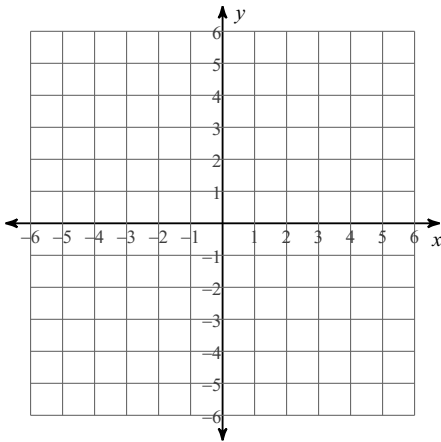
1)  $y \leq -\frac{7}{2}x + 2$



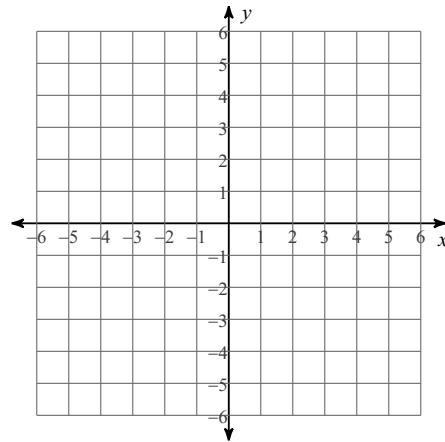
2)  $y > -x + 4$



3)  $y > -2x + 5$



4)  $y \leq 2x - 2$



Write the slope-intercept form of the equation of the line through the given points.

5) through:  $(0, -1)$  and  $(-5, -5)$

6) through:  $(-3, 2)$  and  $(-5, -2)$

Write the slope-intercept form of the equation of the line described.

7) through:  $(-2, -2)$ , parallel to  $y = -4x - 5$

8) through:  $(-5, 3)$ , perp. to  $y = \frac{5}{4}x + 1$

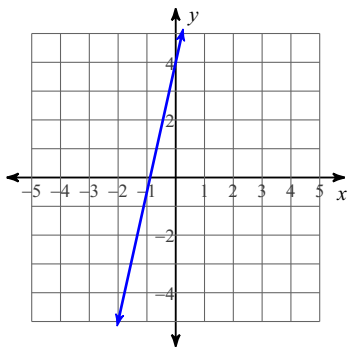
Write the standard form of the equation of each line.

9)  $y = -2x - 1$

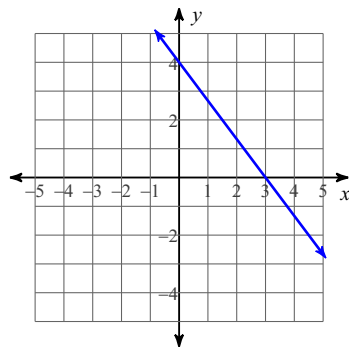
10)  $y = 5x + 1$

Write the slope-intercept form of the equation of each line.

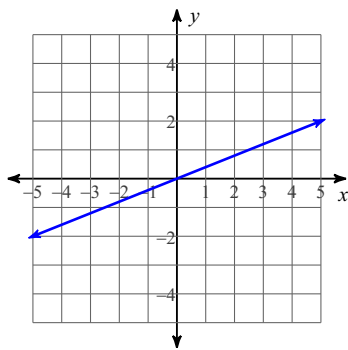
11)



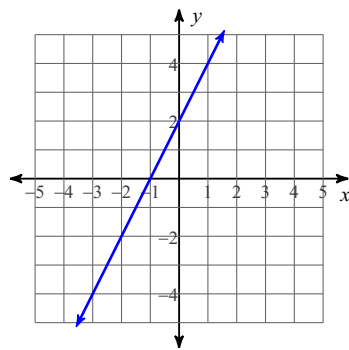
12)



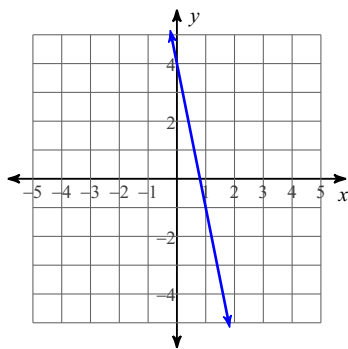
13)



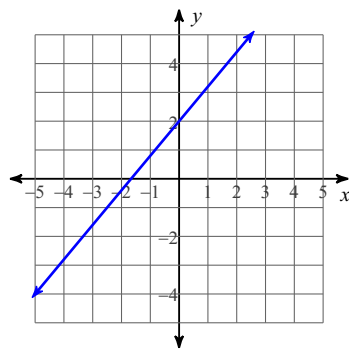
14)



15)

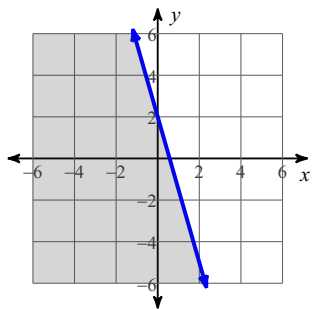


16)

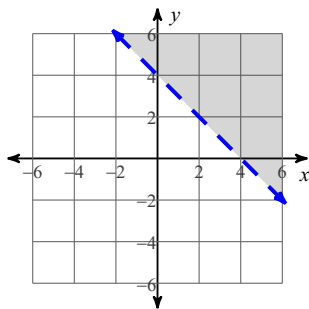


## Answers to Practice Linear Inequalities Plus (ID: 1)

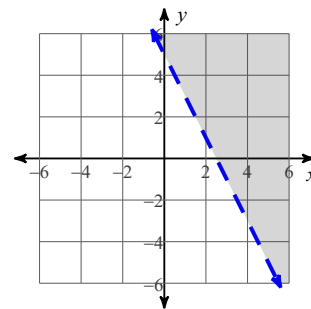
1)



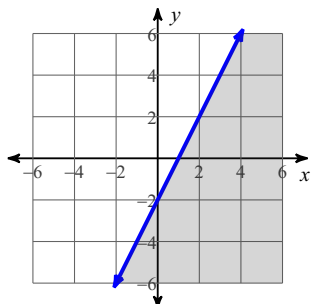
2)



3)



4)



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

6)  $y = 2x + 8$

7)  $y = -4x - 10$

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

9)  $2x + y = -1$

10)  $5x - y = -1$

11)  $y = \frac{9}{2}x + 4$

12)  $y = -\frac{4}{3}x + 4$

13)  $y = \frac{2}{5}x$

14)  $y = 2x + 2$

15)  $y = -5x + 4$

16)  $y = \frac{6}{5}x + 2$