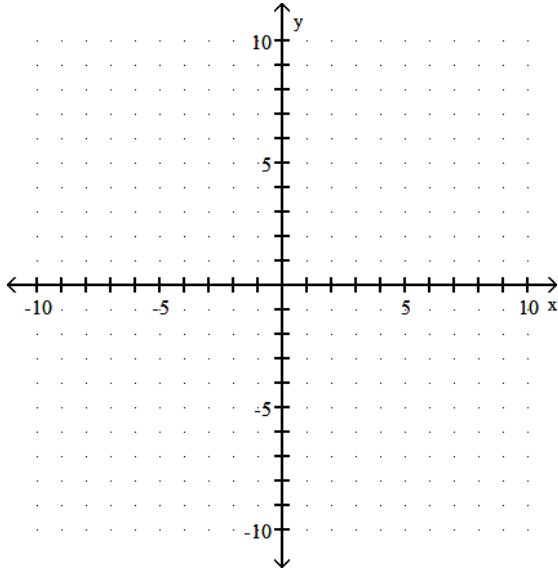


Practice 10.5

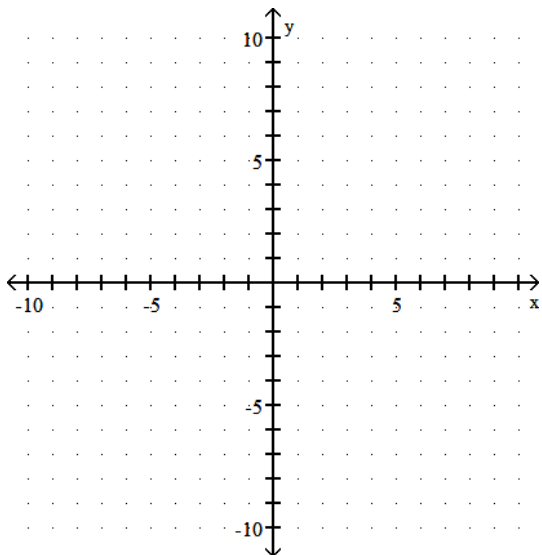
Name _____

Draw a line that has the given slope and y-intercept.

1) $m = \frac{1}{2}$, $b = 3$



2) $m = -\frac{1}{3}$, $b = 4$



Complete the following:

(a) Write the equation in slope-intercept form.

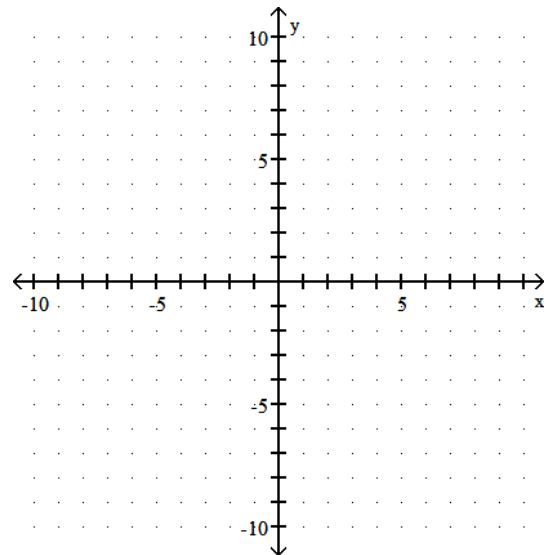
(b) Give the slope and y-intercept of the line.

3) $9x + 7y = 55$

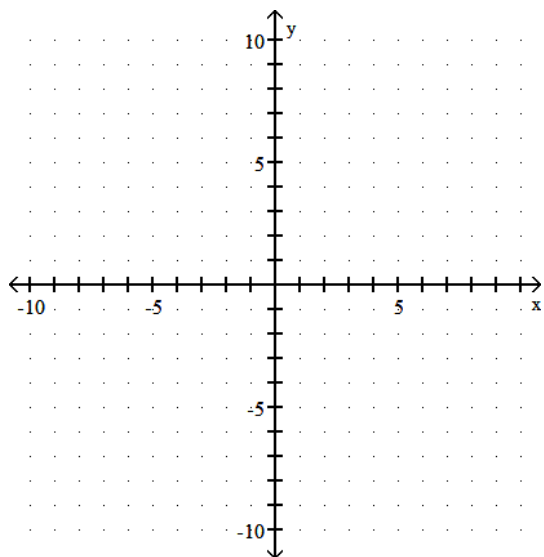
4) $-4x + y = 15$

Graph the equation.

5) $y = \frac{1}{3}x + 4$



6) $y = -\frac{1}{6}x + 4$



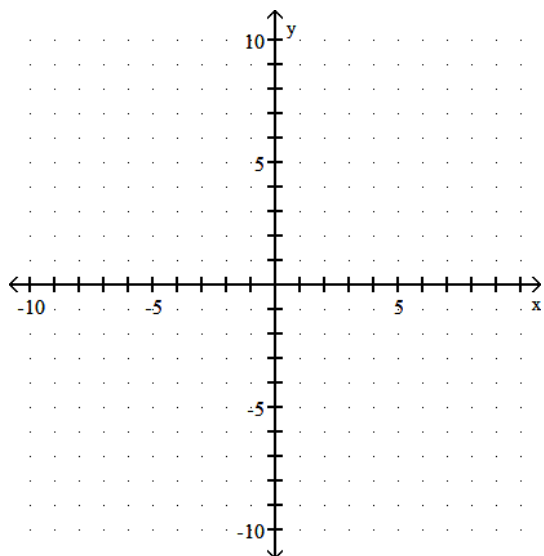
Find the slope-intercept form of the line satisfying the given conditions.

8) Slope $\frac{9}{2}$; y-intercept -4

9) Parallel to the graph of $y = 5x + 9$; passing through (0, 5)

Graph the equation.

7) $y = -\frac{1}{5}x + 2$

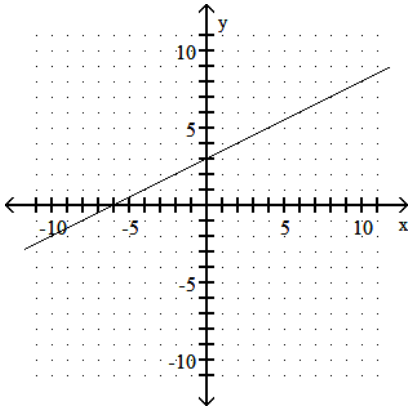


10) Perpendicular to the graph of $y = \frac{1}{2}x + 6$; passing through (0, -4)

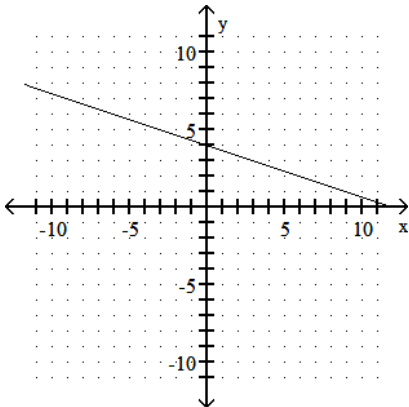
Answer Key

Testname: WKS_10.5

1)



2)



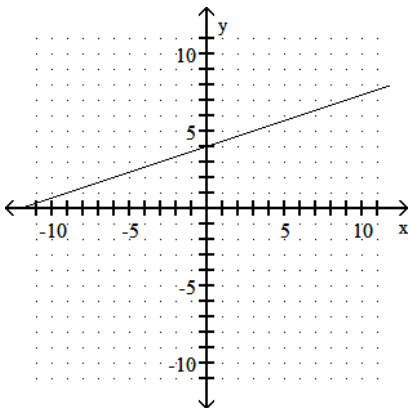
3) (a) $y = -\frac{9}{7}x + \frac{55}{7}$

(b) $-\frac{9}{7}; \frac{55}{7}$

4) (a) $y = 4x + 15$

(b) 4; 15

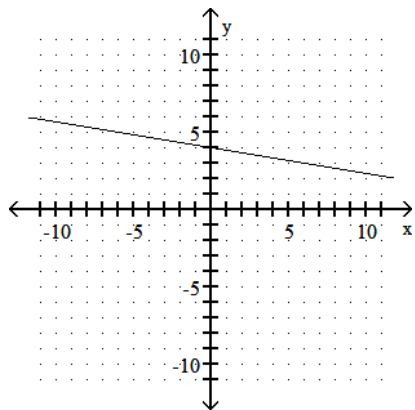
5)



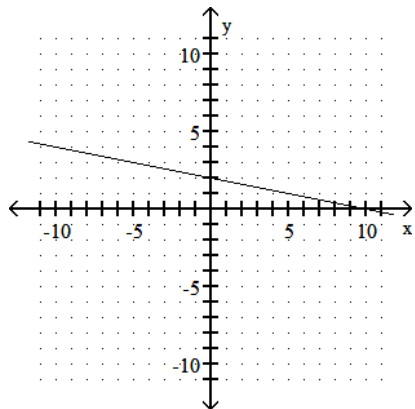
Answer Key

Testname: WKS_10.5

6)



7)



8) $y = \frac{9}{2}x - 4$

9) $y = 5x + 5$

10) $y = -2x - 4$