Practice 10.3 & 10.4

Name_____

Find the intercepts for the equation.

Graph the equation.

1) $x + y = 5$

7) $x = -8$

2) $-2x - 2y = 8$

3) $-\dfrac{x}{6} + \dfrac{y}{2} = 1$

4) $x + y = 5$

8) $y = -6$

5) $-2x - 2y = 4$

6) $-\dfrac{x}{5} + \dfrac{y}{2} = 1$

1
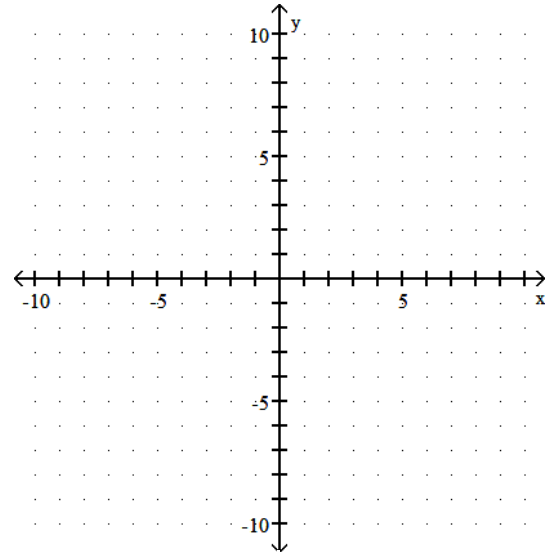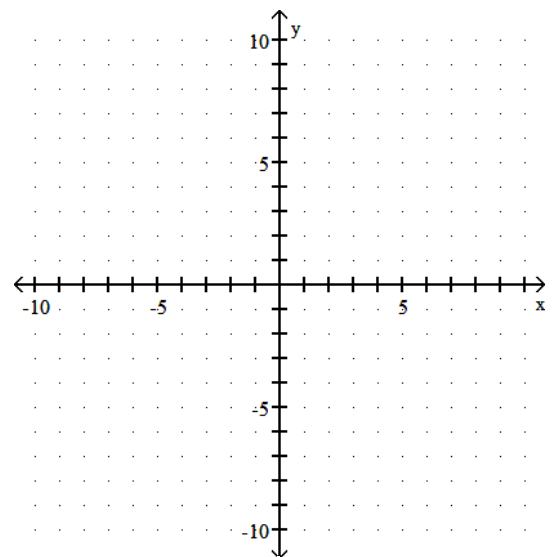
Use the graph to solve the problem.

9) Find the rate of change in Carlos's weight.

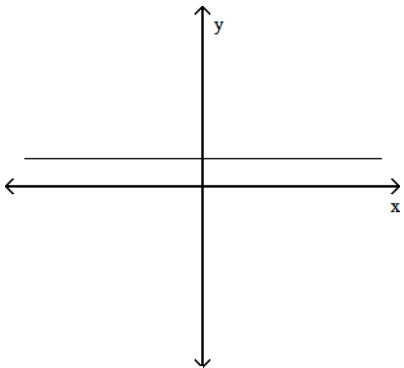
Months Since Start of Diet
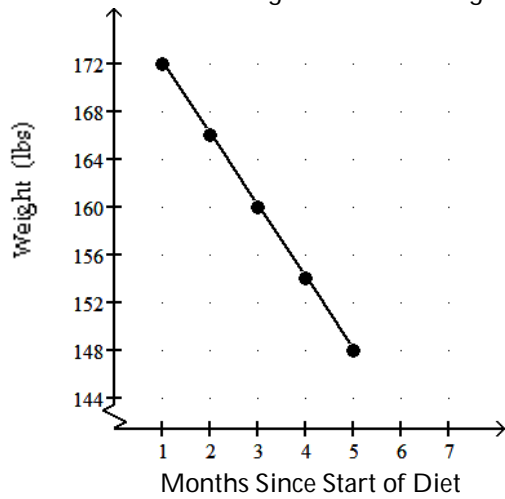
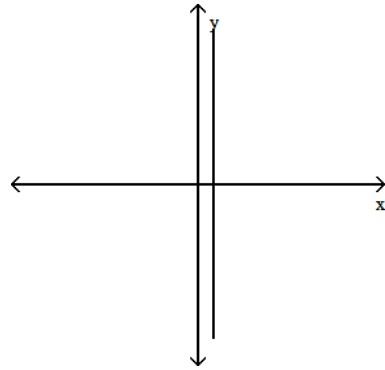State whether the slope of the line is positive, negative, zero, or undefined.

10)
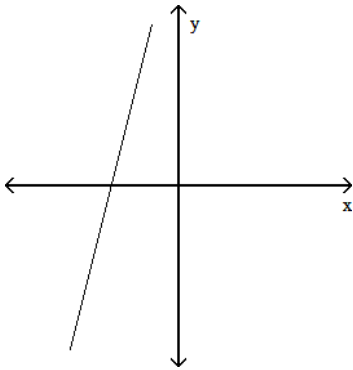
11)

12)

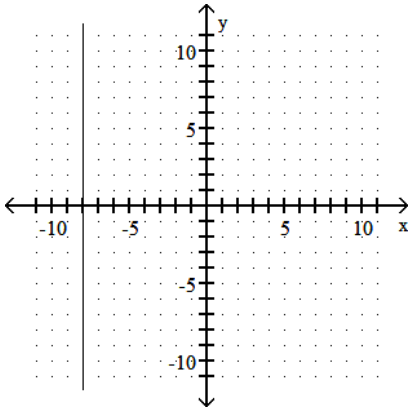If possible, find the slope of the line passing through the two points.

13) (-5, -9), (6, -1)

14) (-3, 8), (7, 8)

15) $\left(\dfrac{1}{10}, \dfrac{1}{5} \right) \left(\dfrac{3}{10}, \dfrac{2}{5} \right)$
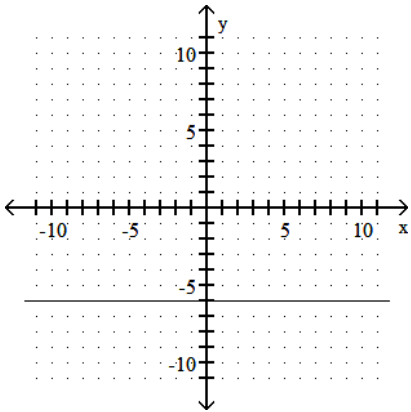
1) x-intercept: 5; y-intercept: 5
2) x-intercept: -4; y-intercept: -4
3) y-intercept: 2; x-intercept: -6
4) x-intercept: 5; y-intercept: 5
5) x-intercept: -2; y-intercept: -2
6) y-intercept: 2; x-intercept: -5
7)

8)

9) -6 pounds per month
10) positive
11) zero
12) undefined
13) $\dfrac{8}{11}$
14) 0
15) 1