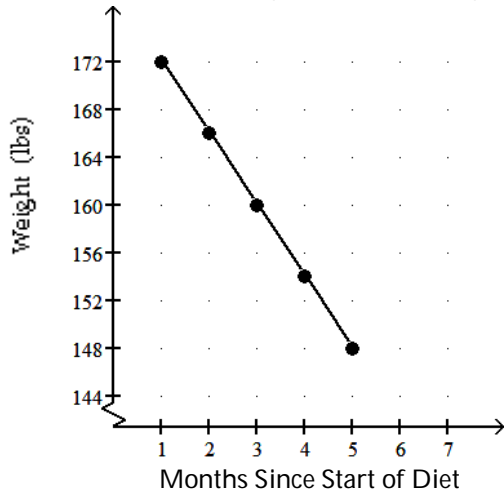


Practice 10.4

Name _____

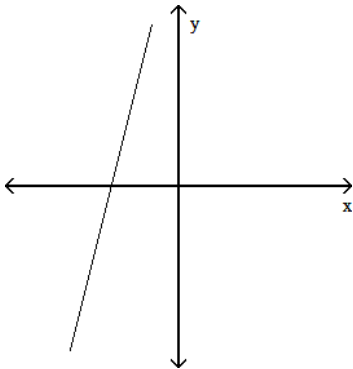
Use the graph to solve the problem.

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

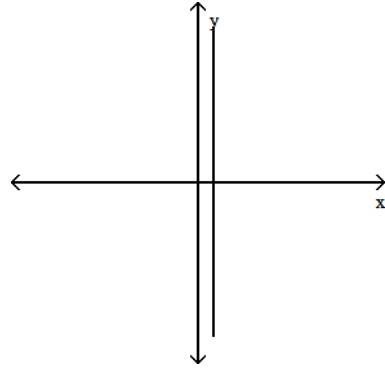


State whether the slope of the line is positive, negative, zero, or undefined.

2)



4)

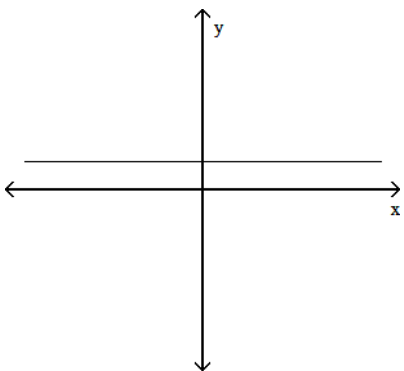


If possible, find the slope of the line passing through the two points.

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

6) $(-3, 8), (7, 8)$

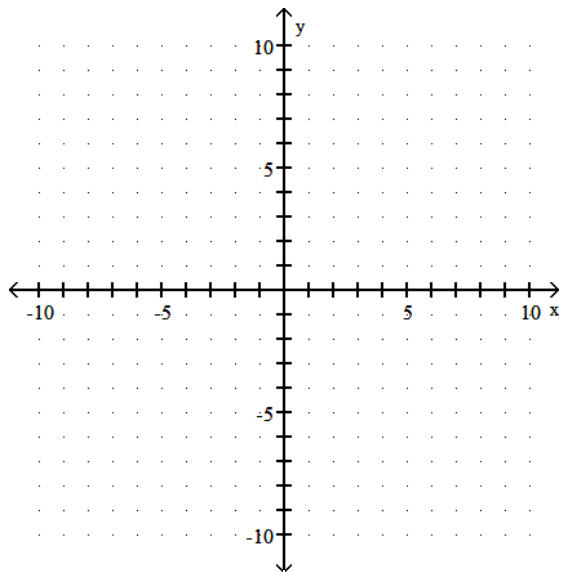
3)



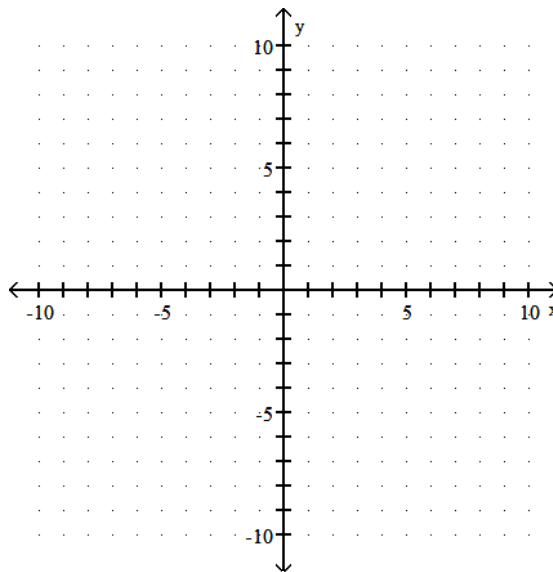
7) $\left(\frac{1}{10}, \frac{1}{5}\right), \left(\frac{3}{10}, \frac{2}{5}\right)$

Sketch a line passing through the point and having slope m .

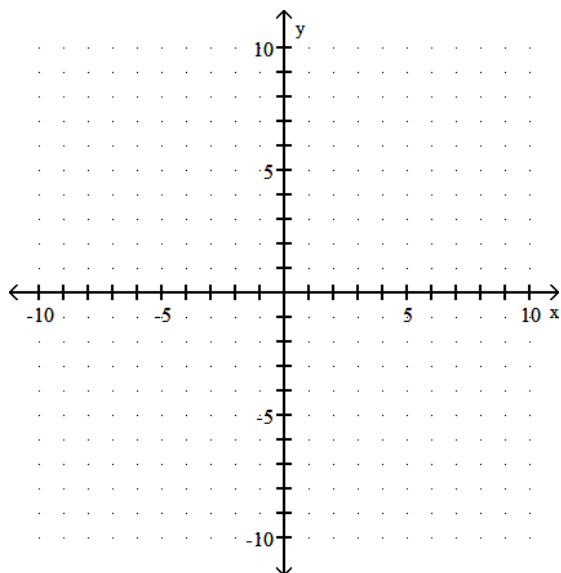
8) $(0, 5)$, $m = \frac{1}{4}$



10) $(-4, -9)$, $m = \frac{2}{3}$



9) $(0, 6)$, $m = -\frac{1}{6}$



Solve the problem.

- 11) To the nearest dollar, the average tuition at a public four-year college was \$3103 the year Jane enrolled there and \$3541 when her sister began college 4 years later. Find, to the nearest dollar per year, the rate at which tuition was increasing. (tuition, year)

Answer Key

Testname: WKS_10.4

1) -6 pounds per month

2) positive

3) zero

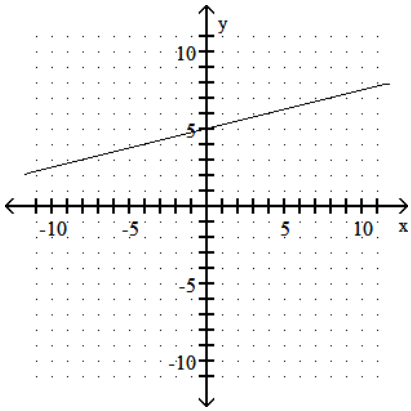
4) undefined

5) $\frac{8}{11}$

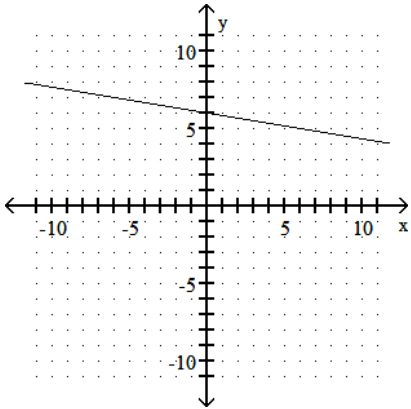
6) 0

7) 1

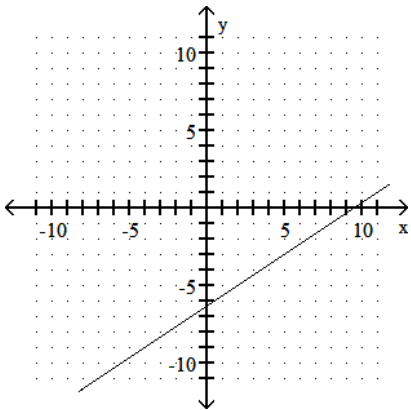
8)



9)



10)



11) \$110 per year