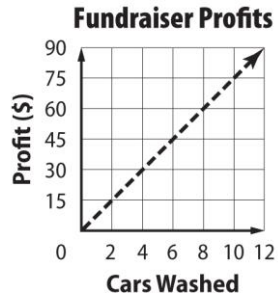


Lesson 3 Homework Practice

Constant Rate of Change and Slope

Find the constant rate of change for each linear function and interpret its meaning.

1.

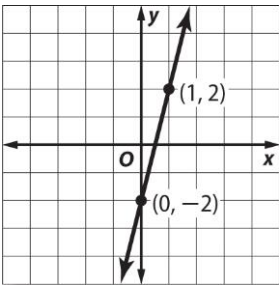


2.

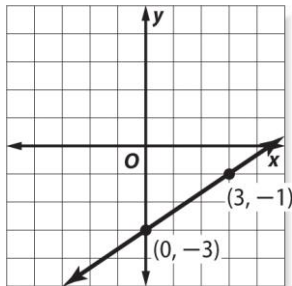
Time (seconds)	Distance (yards)
x	y
1.2	6
2.4	8
3.6	10
4.8	12

Find the slope of each line.

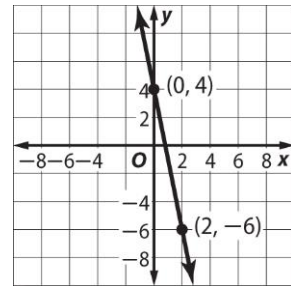
3.



4.



5.



Find the slope of the line that passes through each pair of points.

6. $A(-10, 6), B(-5, 8)$

7. $C(7, -3), D(11, -4)$

8. $E(5, 2), F(12, -3)$

9. $P(12, 2), Q(18, -2)$

10. $R(-2, -3), S(-2, -5)$

11. $T(-13, 8), U(21, 8)$

12. One particularly large ant hill found in 1997 measured 40 inches wide at the base and 18 inches high. What was the slope of the ant hill?

13. Today, the Great Pyramid at Giza near Cairo, Egypt, stands 137 meters tall, coming to a point. Its base is a square with each side measuring 230 meters wide. What is the slope of the pyramid?