ALGEBRA   **Name:** _____

Slope and Rate of Change   **Period:** _____

The rate of change is constant in the table. Find the rate of change. Explain what the rate of change means for the situation.
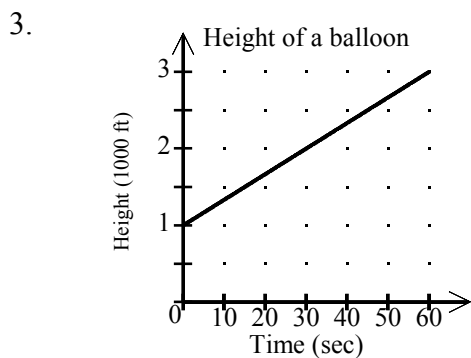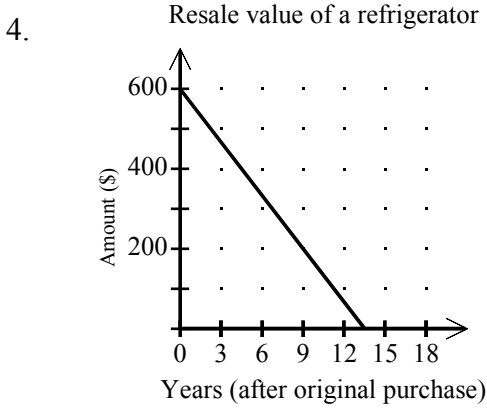
1.

Time (days)	Cost (dollars)
3	75
4	100
5	125
6	150

2.

Time (hours)	Distance (miles)
4	232
6	348
8	464
10	580

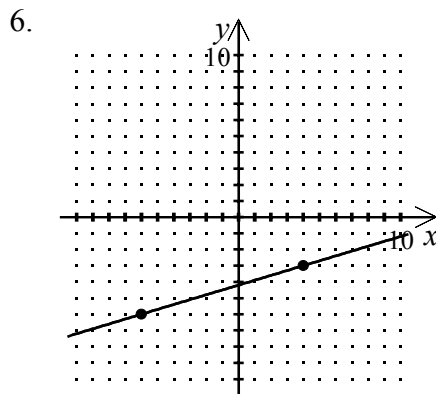**Find the rates of change for each graph below. Explain what the rate of change means for the situation.**

3.

4.

Resale value of a refrigerator

Find the slope of the line.

5.

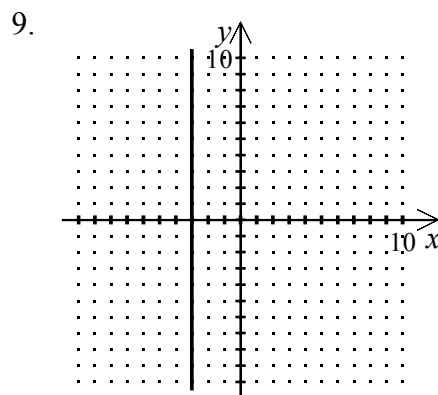**Slope = _____**

6.

Slope = _____

7.

Slope = _____

8.

Slope = _____

9.
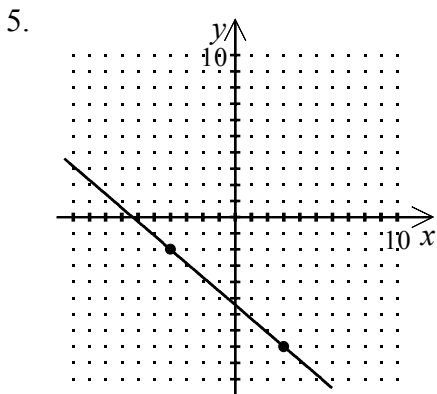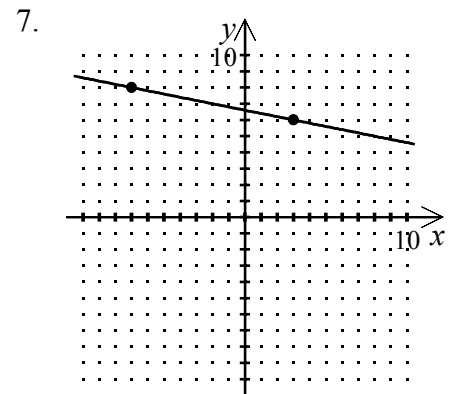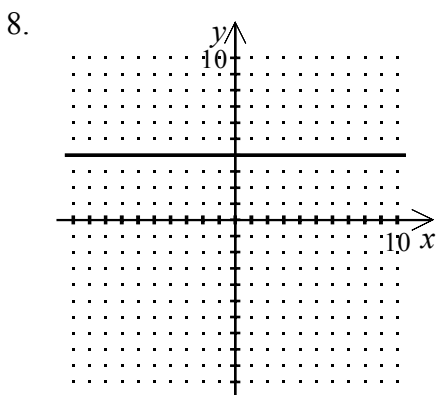
Slope = _____

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

10. $(-5,\ 3),\ (4,\ -8)$ 11. $(-3,\ -8),\ (2,\ -7)$ 12. $(5,\ 3),\ (6,\ 4)$

13. $(7,\ -6),\ (-4,\ -3)$ 14. $(-12,\ -5),\ (7,\ -5)$ 15. $(12,\ -10),\ (12,\ 1)$