

Unit 5 Review – SLOPE

Name: _____

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

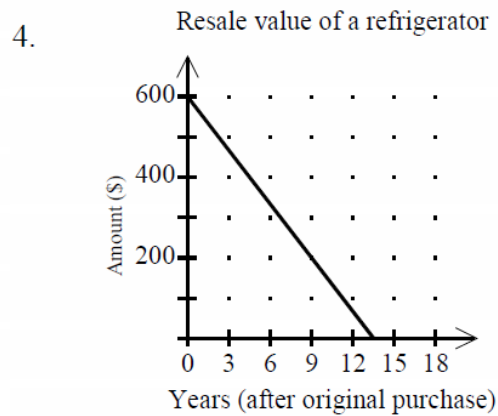
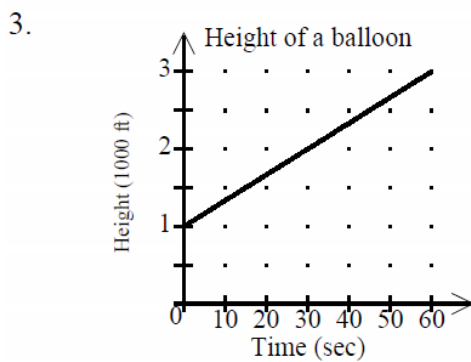
1.

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

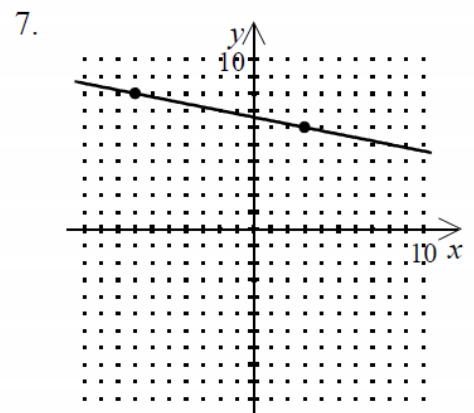
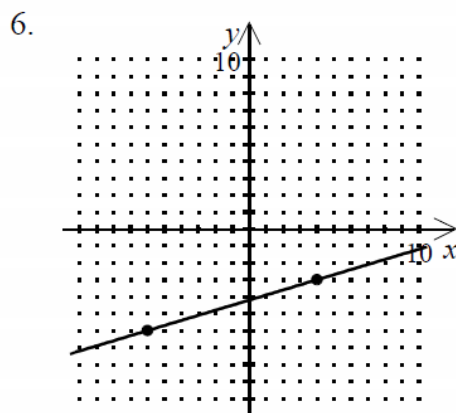
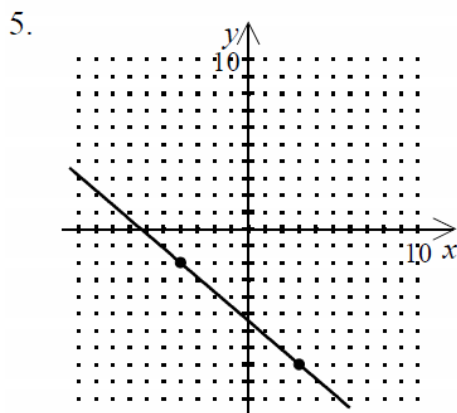
2.

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.



Find the slope of the line.

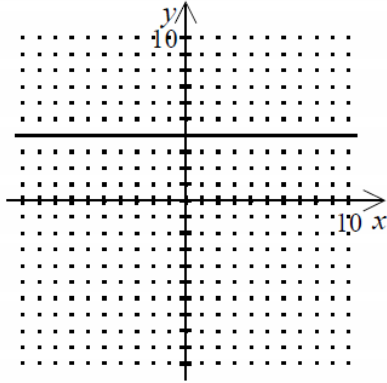


Slope = _____

Slope = _____

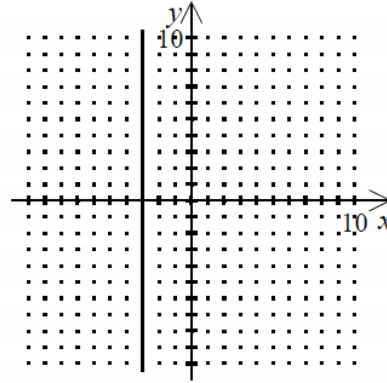
Slope = _____

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. $(5, 3), (6, 4)$

Find the slope and y-intercept of each equation.

13. $y = \frac{2}{3}x + 2$ $m =$ _____ $b =$ _____

14. $y = 2x - 3$ $m =$ _____ $b =$ _____

15. $m = \frac{1}{3}, b = 3$

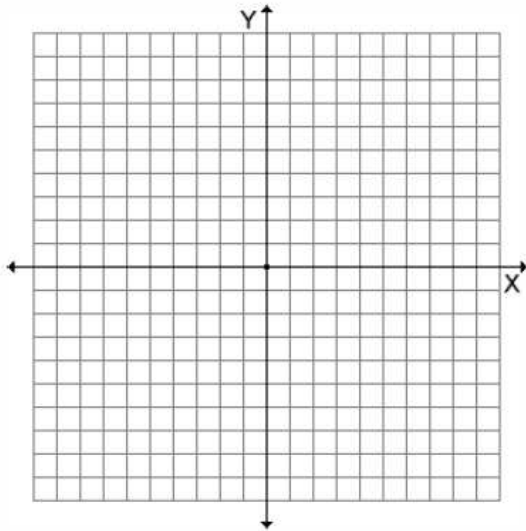
16. $m = -\frac{5}{2}, b = -6$

17. $m = -.5, b = 2$

Identify the slope and y-intercept of each equation. Then graph the equation.

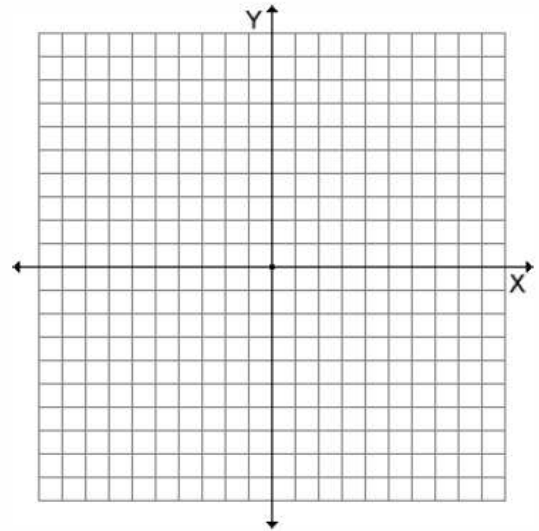
18. $y = \frac{2}{3}x + 2$

Slope = _____ y-intercept = _____



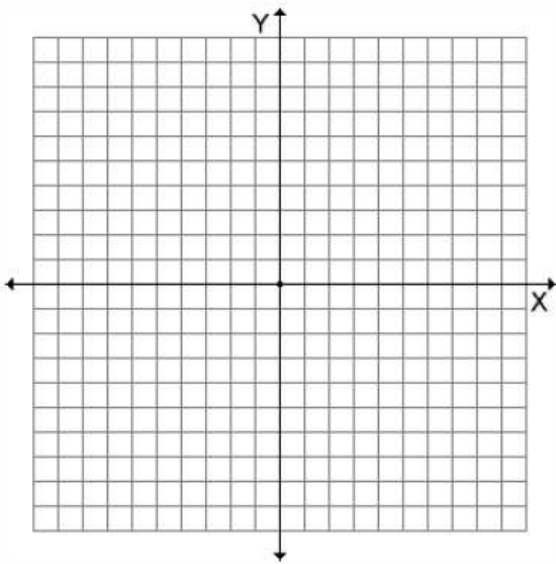
19. $y = 2x - 3$

Slope = _____ y-intercept = _____



20. $y = -2x - 1$

Slope = _____ y-intercept = _____



21. $y = -x + 1$

Slope = _____ y-intercept = _____

