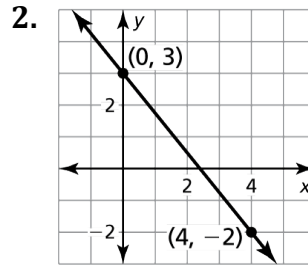
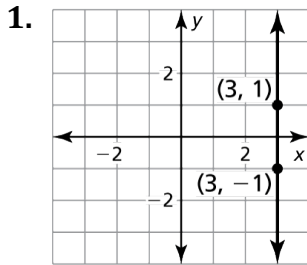


Algebra 1
Section 3.5 wksht #2

Name _____

In Exercises 1 and 2, describe the slope of the line. Then find the slope.



In Exercises 3 and 4, the points represented by the table lie on a line. Find the slope of the line.

3.

x	4	4	4	4
y	-2	1	4	7

4.

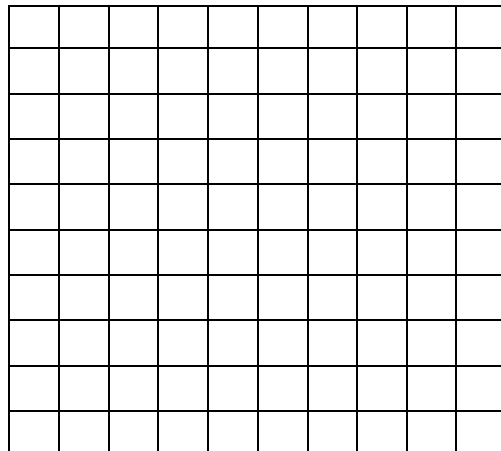
x	3	1	-1	-3
y	-4	1	6	11

In Exercises 5 and 6, find the value of k so that the graph of the equation has the given slope or y -intercept.

5. $y = 6kx - 2; m = \frac{2}{3}$

6. $y = -\frac{1}{2}x + \frac{4}{3}k; b = -8$

7. The function shown models the depth d (in inches) of snow on the ground during the first 9 hours of a snowstorm, where t is the time (in hours) after the snowstorm begins.



a. Graph the function and identify its domain and range.

b. Interpret the slope and d -intercept of the graph.

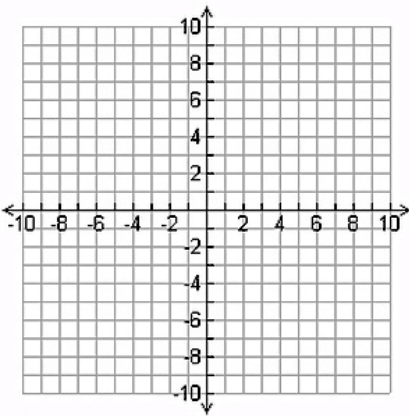
In Exercises 8 - 13, graph each line. State the slope, y-intercept, and the x-intercept.

8. $y = \frac{1}{2}x - 3$

slope = _____

y-int = _____

x - int = _____

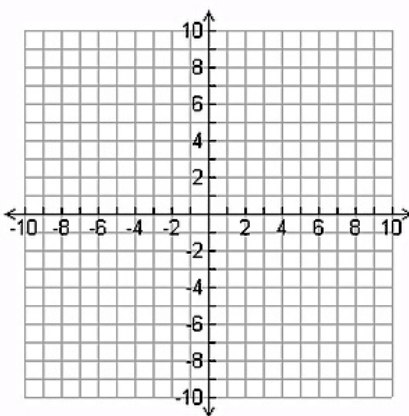


9. $y = -2x + 4$

slope = _____

y-int = _____

x - int = _____

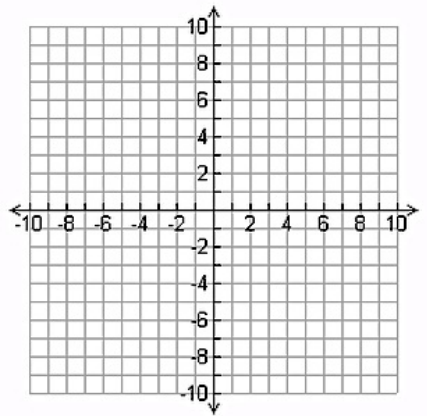


10. $y = \frac{2}{5}x$

slope = _____

y-int = _____

x - int = _____

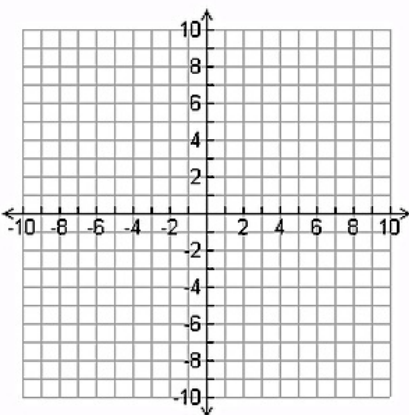


11. $3x + y = 6$

slope = _____

y-int = _____

x - int = _____

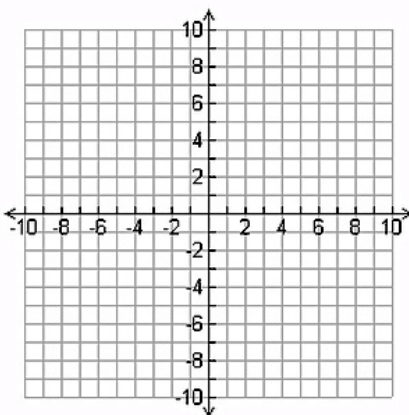


12. $-y = 5x - 5$

slope = _____

y-int = _____

x - int = _____



13. $4x + 2y = 8$

slope = _____

y-int = _____

x - int = _____

