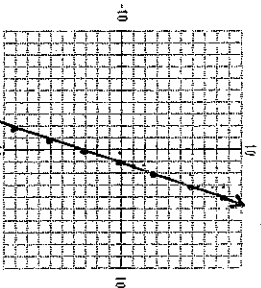


#1-6, Find the rate of change in each circumstance. (2 pt ea.)

1. (5, -7) (8, -12)

2.

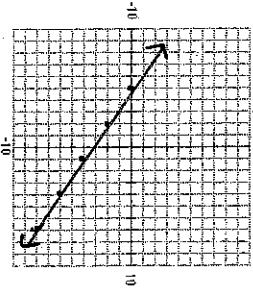
3. (15, 5) (15,-2)



4. 2,300 cars were produced in the first 5 years. 19,500 were made by the 9<sup>th</sup> year. Find the rate of change in cars per year.

5.

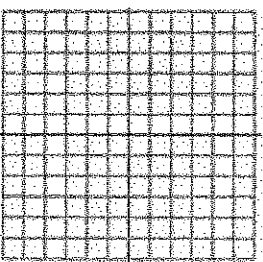
6. Ashley's baby weighed 7 lbs at birth. 10 months later he weighed 15 lbs.



7. Write a sentence about what the answer in #6 means. (1 pt)

8. The slope of the line passing through (2,4) and (-2,y) is 12. Find y. (2 pt)

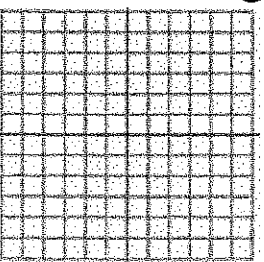
9



9. On the graph at right, plot the point (-3,4) and from that point graph a line with slope of -2. (2 pt)

10. The slope of the line passing through (4,8,5) and (7, y) is  $\frac{1}{2}$ . Find y. (2 pt)

11



11. On graph at right, plot the point (5,1) and from that point graph a line with slope of 0. (2 pt)

12. Use the lines described at right. (1 pt ea.)

- a. Which line(s) slants upward as you read line?
- b. Which line(s) slants downwards as you read the line?
- c. Which line(s) is steepest?

Line m: slope 3
Line n: slope $\frac{1}{3}$
Line p: slope -4
Line q: slope $-\frac{1}{2}$

#13-14 The slope of the line is given. Complete the remaining entries in the table. (2 pt ea.)

13. Slope of -3

14. Slope of zero

x	y
2	0
3	?
4	?
5	?

x	y
-3	4
-2	?
-1	?
0	?

15. A line has a slope of  $\frac{2}{3}$ . Provide two possible ordered pairs that *could* be on the line.