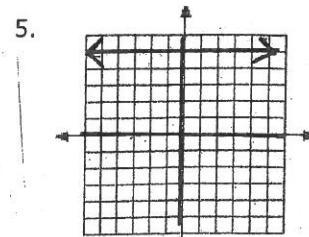
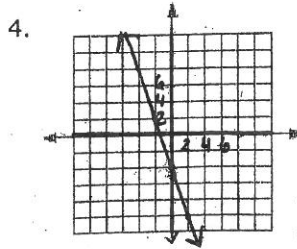
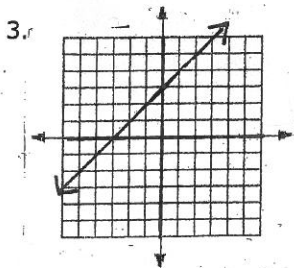


1.
 - a. Write an example of an equation of a line in slope-intercept form _____
 - b. The slope of your line: _____
 - c. Give one point on your line: _____
2.
 - a. Write an equation in standard form: _____
 - b. The x-intercept of your equation: _____
 - c. The y-intercept of your equation: _____

#3-14, Write the equation of the line with the given circumstances:



6. $m = -3$
through $(-1, 6)$

7. $m = \frac{1}{2}$
through $(-10, 3)$

8. through $(7, 8)$ & $(-7, 6)$

9. through $(1, 27)$ & $(-2, 12)$

10. The y-intercept is -5 and the x-intercept is 4 .

11. The number of students in a school has been increasing at a constant rate. The table shows the number of students in the school for certain numbers of years since 1995.

Years Since 1995	Number of Students
0	118
5	124
10	130

12. Bailey notices his that 5 hours into a snowstorm there are 17 inches of snow on the ground. It is reported to be snowing at a rate of 2.2 inches per hour. Write an equation relating the snow depth, y , by the hours it has snowed, x .

13. Payton is knitting a scarf for a Xmas gift. The amount of hours she knits and the number of rows she finishes change at a constant rate (that means linear...right?) After 2 hours she has 38 rows knitted. After 4.5 hours she has 52 rows. Write an equation relating knitted rows (y) to hours (x).