Algebra I

5.1 Warm-Up #1

Defining Slope

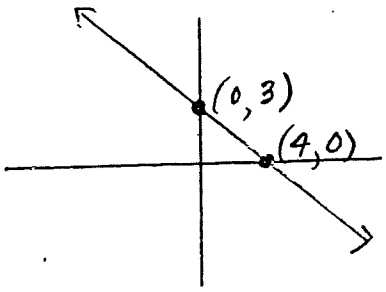
NAME:_____

DATE:_____ HOUR:_____

A. Calculate the slope between the two points:

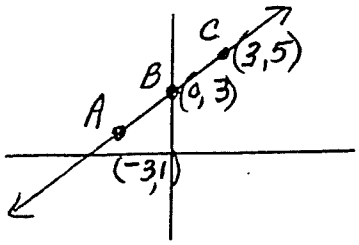
1. (1, 4) and (2, 7) _____
2. (-3, 4) and (1, -4) _____
3. (5, 2) and (-3, 1) _____
4. (-4, 5) and (-2, 7) _____

B. Calculate the slope of the line shown.



slope = _____

C. Calculate the slope of this line



between points A and B, slope = _____

between points B and C, slope = _____

over

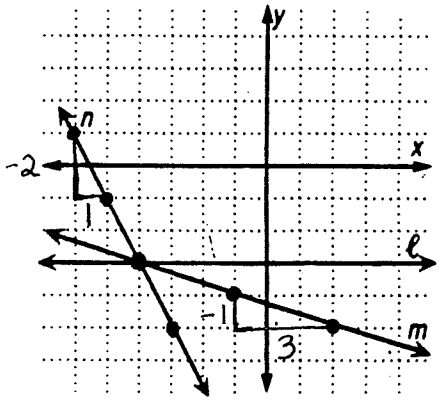
D. For the line $y = 2x + 1$,

1. Make a table of 2 points.

x	y
1	
2	

2. Calculate the slope of the line using your two points. slope = _____

E. **Consider lines ℓ, m, and n graphed at right.**
Which line has slope $\frac{-2}{1}$? _____
Which line has slope $-\frac{1}{3}$? _____



F. **Graph the line which passes through (0, 1) and has a slope of $\frac{-2}{1}$.**