MONTGOMERY COLLEGE
Department of Mathematics
Rockville Campus

MA 103 KATIRAIE QUIZ #2 Form A SECTIONS (2.1, 2.2, 2.3) Spring 2007

NAME _____ SCORE: _____/ 20

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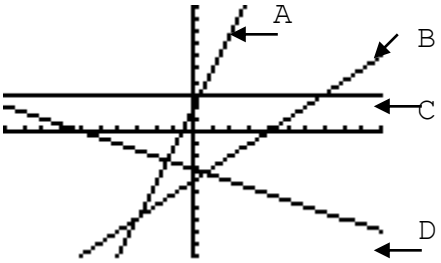
1. For the lines sketched below, state whether the slope of the line is positive, negative or zero in the blank provided.



Slope of line A is _____ Slope of line B is _____

Slope of line C is _____ Slope of line D is _____

2. Write the Slope – intercept form for a line passing through the points (-10, -9) and (-12, -15).

3. Write a single linear equation in y = mx + b form with **all of the following properties**:

   a. has a negative slope,

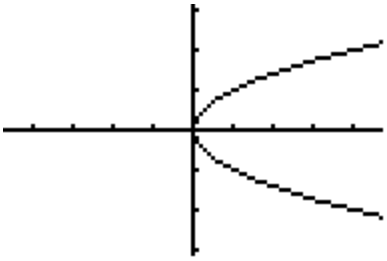
   b. has a positive y-intercept, and
   c. would be considered a steep line.

4. For the relations described below,
mark F if the relations is a **function** and **N** if it is **not**.

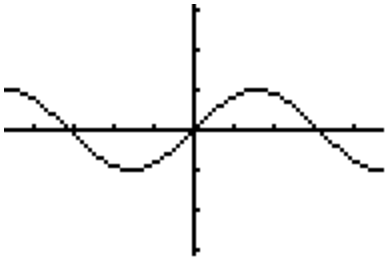
A. $y = 4x - 3y + 8$

B. $x + 5 = 9$

C.



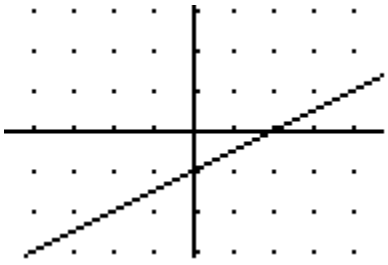
D.



5. Write the Slope – intercept form for a line passing through the points

X	-3	0	3	6
F(x)	2	4	6	8

6. Given the Graph of F(X)



Estimate the following:

a) F(4)

b) The X value so that F(X) = -1