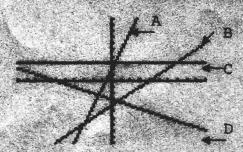
MONTGOMERY COLLEGE Department of Mathematics Rockville Campus

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

For the the and the second second second



Slope of line A is

Slope of line C is ____ ZERO

DIS NEGATIVE

Write the Slope - intercept form if the points (-10, -9)

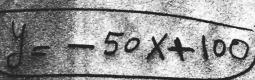
$$M = \frac{-15 - -9}{-12 - -10} = \frac{-15 + 9}{-12 + 10}$$

$$y=mx+b$$

 $-9=3(-10+b)$
 $-9=-30+b \Rightarrow b=21$

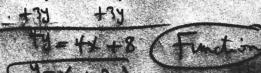
ig through -15).

- 3. Write a single friesr equation in y = nix = b form will a) of the following pr
 - a. has a negative stope,
 - has a positive y-intercept, and would be considered a steep if **b.**



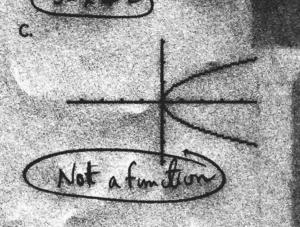
4. For the relations described below, mark F if the relations is a function and N if it is not.

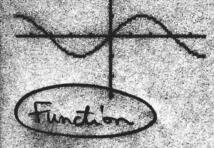




$$B_{\star} \quad \times + 5 = 9$$







5. Write the Slope - interes for a line passing through

the points	
X -3 - 0	3 6 6
F(X) 2 4	6 8

$$m = \frac{4-2}{0--3} = \frac{2}{3}$$

6. Given the Graph of F(X)



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



MONTGOMERY COLLEGE **Department of Mathematics Rockville Campus**

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

NAME ____

SCORE: ____/ 20
*** RETAIN ALL GRADED PAPERS FOR YOUR RECORDS ***

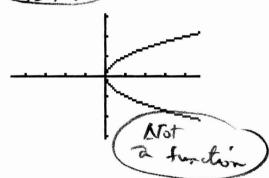
For the relations described below, 1. mark F if the relations is a function and N if it is not.

y = 4x - 3y + 8A.

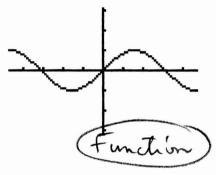
B. x + 5 = 9

X=4 Not a function

C.



D.



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

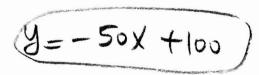
$$M = \frac{-15 - -9}{-12 - -10} = \frac{-6}{-2} = 3$$

$$y = m \times + b$$

 $-9 = 3(-10) + b$
 $-9 = -30 + b = b = 21$

y=3x+21

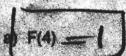
- 3. Write a single linear equation in y = mx + b form with all of the following properties:
 - has a negative slope, a.
 - has a positive y-intercept, and b.
 - would be considered a steep line. C.



Write the Slope - intercept form for a line passing through 4.

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	H	9()	()					2		E W			藩					5				T	8					Section 2

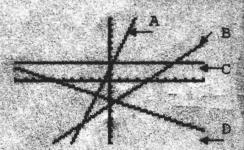
5. Given the Graph of F(X)



Estimate the following:

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

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



Slope of line A is

Slope of line C is

pe of line D is