

NAME _____

Section 3.2

ALGEBRA

Date _____ Period _____

Determining Functions: Practice A

Determine if the following are functions... Write "function" or "not function" on the line.

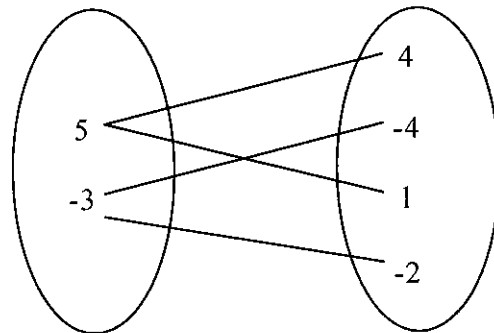
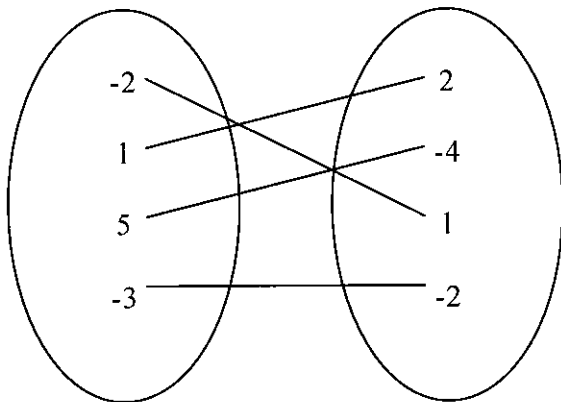
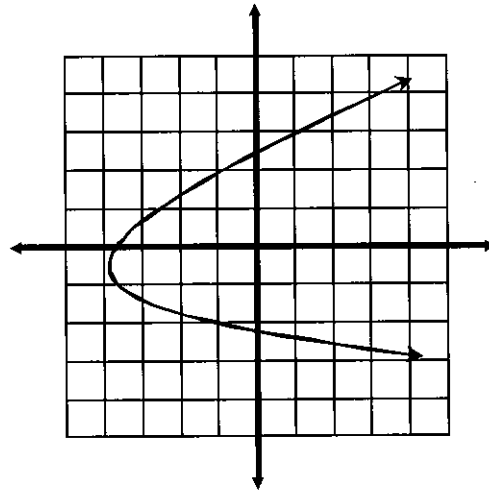
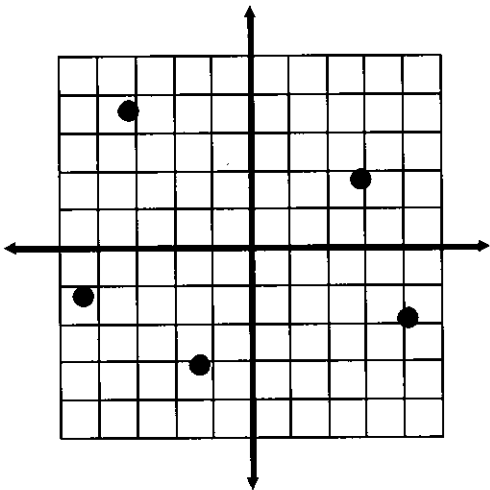
	1	2	3	4
	4	-2	5	-3

	0	8	-2	6
	7	-2	8	1

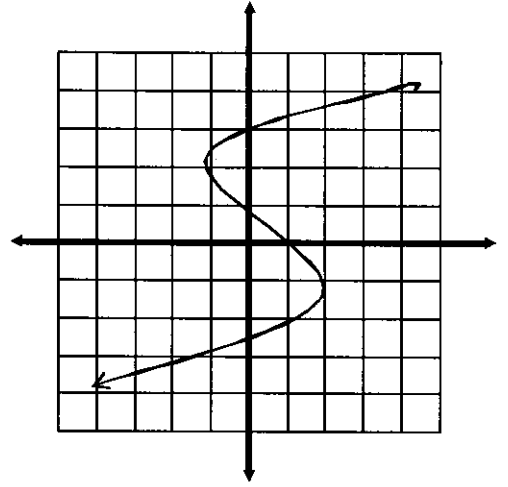
	4	3	4	6
	6	-1	2	6

{ (6, 1), (4, 2), (6, -3), (2, 5) }

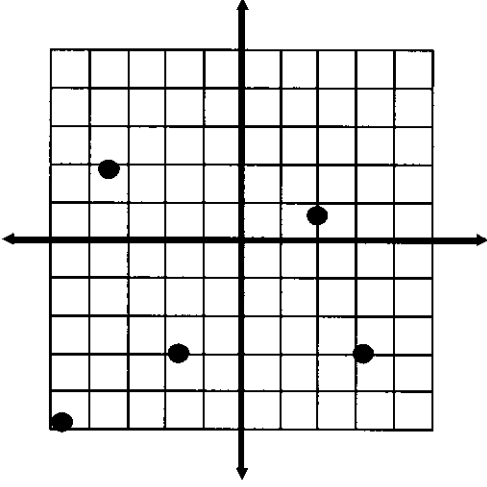
{ (5, 8), (3, -2), (-2, -5), (0, 0) }



$\{(5, 5), (4, 4), (3, 3), (2, 2)\}$



$\{(0, 2), (0, 4), (0, 6), (0, 8)\}$

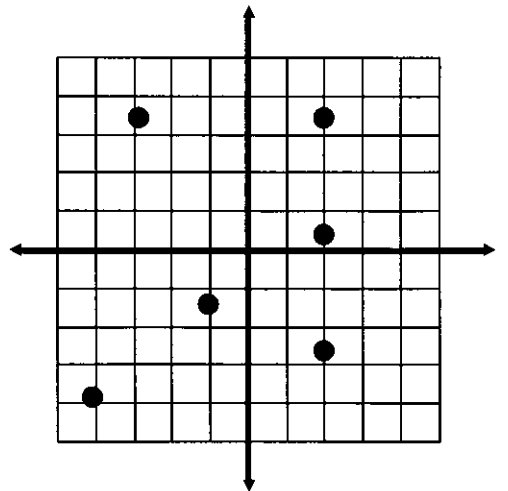


	5	-2	1	-3
	3	3	3	3

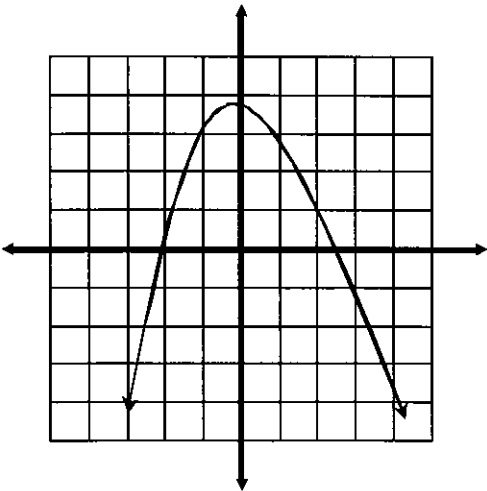
	1	1	1	1
	0	4	7	6

	-8	3	2	3
	2	5	8	1

$\{(2, 4), (2, 5), (2, 6), (2, 7)\}$



$\{(0, 0), (3, -1), (-5, -5), (4, 0)\}$



Homework

1. What is an equation of the line passing through the points $(-1, -3)$ and $(5, 6)$?

2. What is the equation of the line that contains point $(3, -5)$ and has a slope of -3 ?

3. What is the slope and y-intercept of the following equation:

$$2x - 3y + 6 = 0$$

4. What is the slope and y-intercept of the following equation:

$$4y + 2x = -8$$

Word Problems

1. The temperature in a city began to decrease at a constant rate once a cold front began to move in. The temperature was 49° F after 2 hours and 39° F after 6 hours. Suppose x is the number of hours since the cold front began to move in, and y is the temperature in $^{\circ}$ F. What is the equation that models this situation?

2. Mrs. Smith's science class needs to collect \$48.00 to purchase a hamster, food and bedding. In addition, the class will need \$50.88 for its cage and supplies. If there are 24 students in the class, what is the average amount each student must collect?