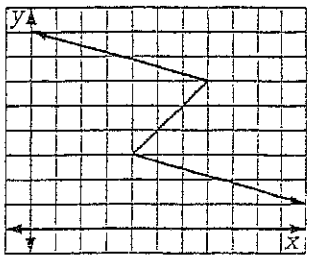
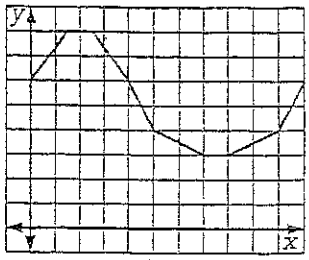
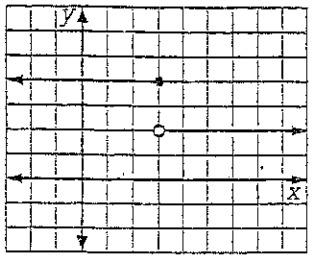
Integrated 1 Name_____

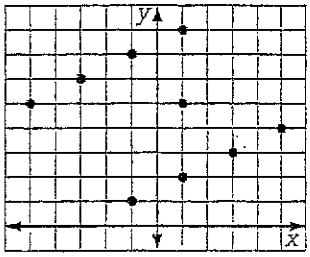
Function or Not?

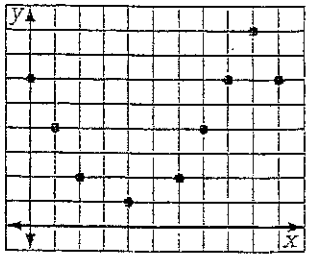
For questions 1-6, tell whether each graph is a function. If it is not, circle the area of the graph that doesn't comply with the definition of "function".

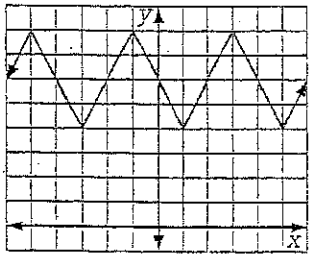
1. 

2. 

3. 

4. 

5. 

6. 

7. Use the table to make a graph of the data and then answer the questions.

Average Height in Inches for Girls

Height	Age
29	1
33	2
36	3
39	4
41	5
44	6
47	7
50	8
52	9
54	10

a. What is the control variable? What is the dependant variable?

b. Is this a function? Why or why not?

c. According to this graph, approximately how tall is an 11 year old girl?

For 8-10, identify the control and the dependant variables. State function or not function. Be ready to explain all answers. (You may sketch a graph to help you.)

8. On average, it take Barney 6 minutes to run a mile. He charts his distance in miles and time in minutes for 36 minutes.

Control: Dependant:

Is this a function?

9. Chrisy keeps track of the number of points she earns on her math homework for the entire month of September. So far, she is doing well (max amount of points possible is 5)

9-2-02	9-4-02	9-5-02	9-10-02	9-12-02	9-13-02	9-16-02	9-17-02
4	5	3	5	4	0	4	5

Control: Dependant:

Is this a function?

10. Joe believes that the number of students that sleep during class is directly related to what subject is being taught. In order to test out this conjecture, Joe walks around the building and records the type of class and number of sleeping students.

Eng.	Math	SS	Span	Germ	SS	Math	Math	Wood	Eng	Gym
3	0	4	5	2	3	1	4	0	3	0

Control: Dependant:

Is this a function?