

Based ONLY on the information presented, determine if the table describes a function (yes) or not (no). In the table x represents the input and y represents the output.

Answers

1)

X	Y
16	-4
64	-8
81	-9
81	9
100	10

2)

X	Y
-54	-9
-36	-6
-12	-2
48	8
60	10

3)

X	Y
-60	-10
-18	-3
-12	-2
30	5
54	9

4)

X	Y
16	-4
25	5
49	-7
49	7
81	-9

5)

X	Y
-7	3
-6	1
3	-6
8	2
8	8

6)

X	Y
-8	64
-3	9
3	9
6	36
9	81

7)

X	Y
-5	7
-1	7
2	-3
5	-1
6	-9

8)

X	Y
-3	-3
-2	-2
0	-1
0	10
1	1

9)

X	Y
-10	100
-9	81
-4	16
2	4
9	81

10)

X	Y
-4	-4
-3	-3
1	1
9	9
10	10

11)

X	Y
-9	-90
-8	-80
-1	-10
0	0
5	50

12)

X	Y
-9	-9
3	-9
6	7
7	-3
9	10

13)

X	Y
-10	100
-9	81
-6	36
-4	16
9	81

14)

X	Y
4	2
49	7
81	9
100	-10
100	10

15)

X	Y
-2	7
-1	9
7	-2
7	3
9	-1

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

Worksheet Level 3:

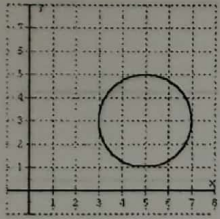
Goals:

Use the Vertical Line Test to Identify functions from a graph
Identify functions from tables and diagrams.

Concept # _____

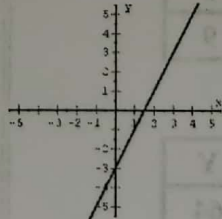
Practice #1

State whether each graph represents a function or not.



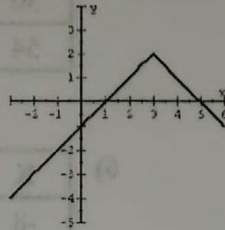
$$(x-5)^2 + (y-3)^2 = 4$$

Function?



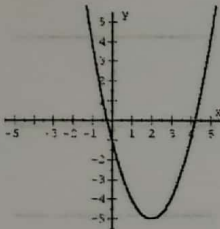
$$y = 2x - 3$$

Function?



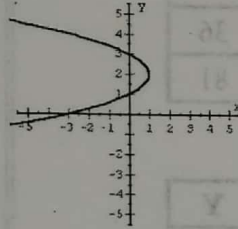
$$y = -|x-3| + 2$$

Function?



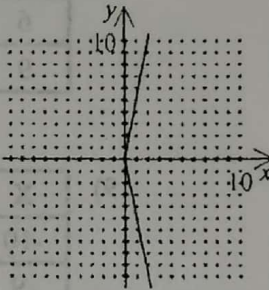
$$y = (x-2)^2 - 5$$

Function?

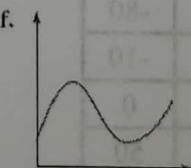
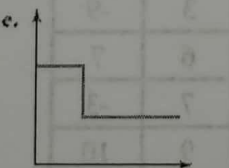
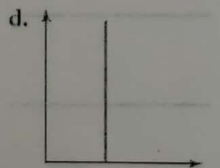
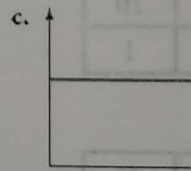
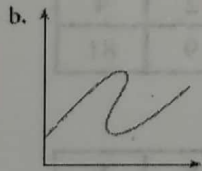
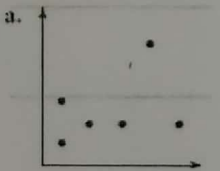


$$x = -(y-2)^2 + 1$$

Function?



Find whether each graph represents a function.



Explain how you know if a graph is a function or not: