Math 8

Is it a Function?

Name Date Period

Is each table a function? Defend your answer.

1.

Input	Output
1	5
2	10
3	15
4	20
5	25

2.

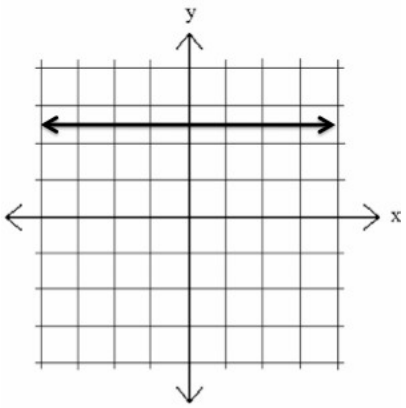
Input	Output
7	-1
2	4
-3	-5
9	11
-3	-5

3.

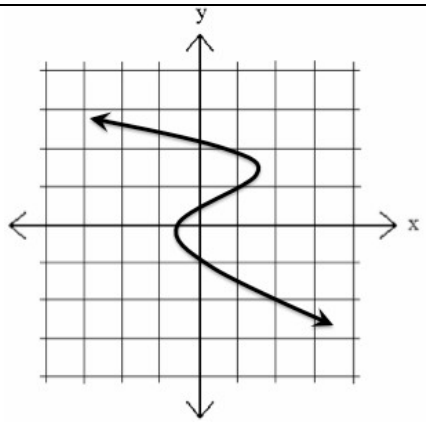
Input	Output
-9	5
2	10
3	15
4	20
2	25

Is each graph a function? Defend your answer.

4.



5.



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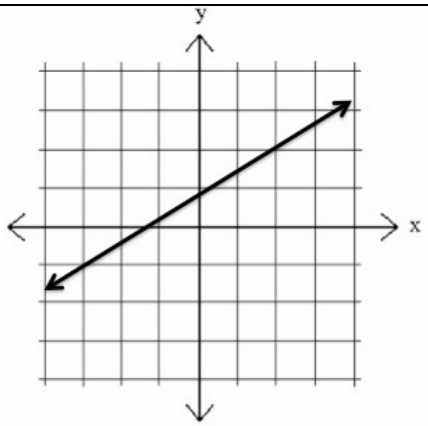

Is each situation a function? Defend your answer.

7.

Input: a person
Output: cell phone number

8.

Input: the number of girls in the family
Output: the number of boys in the same family.

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What Did Farmer John Show His Chicken When She Wouldn't Lay Any Eggs?

Determine whether each relation is a function. Indicate whether it "is a function" or is "not a function" by circling the appropriate letter in the chart. The answer to the title question is found by reading the circled letters in the top row, then the circled letters in the bottom row.

1 $\{(-1, 8), (0, 15), (1, -4), (2, 0)\}$

2 $\{(-2, 7), (6, 2), (-2, -3), (0, 9)\}$

3 $\{(-5, 2), (5, 2), (0, -3), (3, -8), (-7, 4), (-1, -1)\}$

4 $\{(-7, 2), (4, -6), (2, -2), (-3, 9), (0, -11), (4, 0)\}$

5

x	y
−6	4
−4	0
−2	−5
0	−5
2	0
4	4

6

x	y
8	7
−3	16
−9	0
15	33
−1	−1
−9	−6

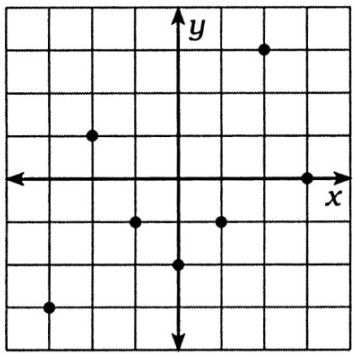
7

x	y
5	18
−2	−2
0	12
12	0
−40	17
−5	18

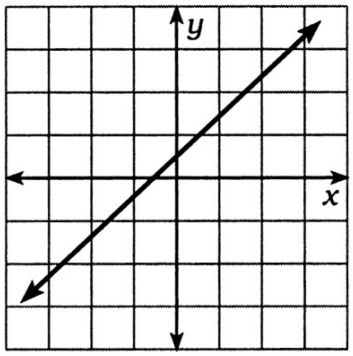
8

x	y
−1	75
0	80
1	85
0	90
−1	95

9



10



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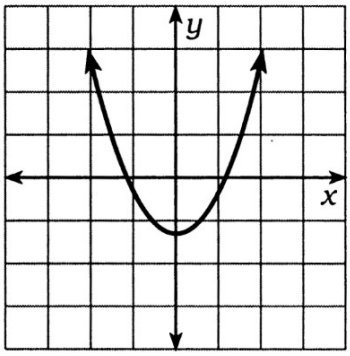

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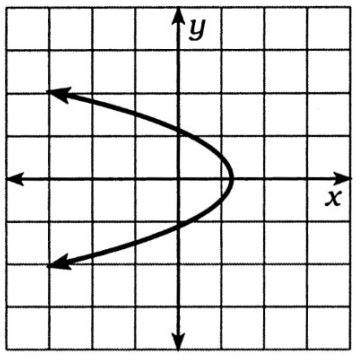

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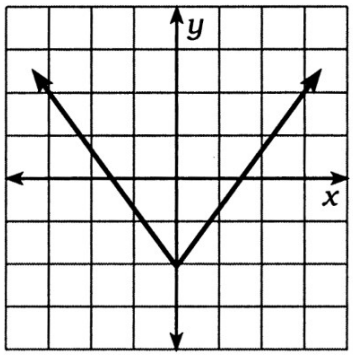

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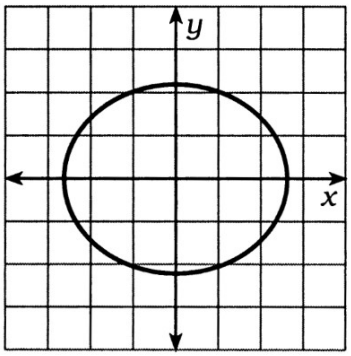

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
IS A FUNCTION >	A	R	G	E	O	L	O	F	D	E	G	O	G	G
NOT A FUNCTION >	I	S	T	A	T	M	E	P	O	L	A	L	L	E

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