

What Are Functions?

1 Fill in the blank.

The input set of a function is called the _____ and the output set is called the _____

2 True or False?

Functions aren't allowed to have "one-to-many" relations.

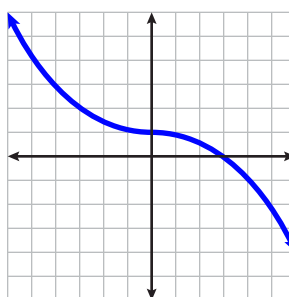
☐ True ☐ False

3 Complete this function table.

$$y = 2x - 1$$

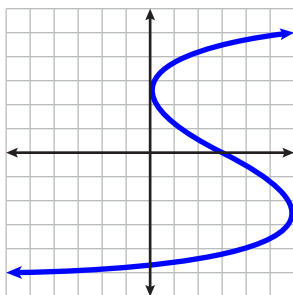
Input x	Output y
3	5
2	
1	
0	
-1	

4 Is this a function?
(Hint: Use the vertical line test.)



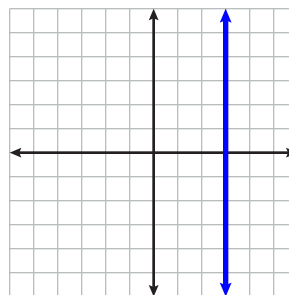
☐ Yes
☐ No

5 Is this a function?
(Hint: Use the vertical line test.)



☐ Yes
☐ No

6 Is this a function?
(Hint: Use the vertical line test.)



☐ Yes
☐ No

7 Evaluate.

Let $f(x) = x^2 + 1$
What is $f(3)$?

8 Evaluate.

Let $f(x) = x^2 + 3x$
What is $f(-1)$?