

Am I A Function?

Name _____

Hr _____

Determine if each relation (set of ordered pairs) is a function.

1. $\{(3, 6), (5, 7), (7, 7), (8, 9)\}$

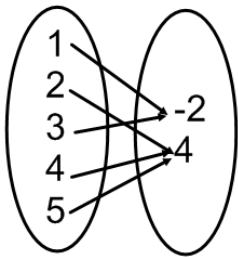
2. $\{(0, 0.4), (1, 0.8), (2, 1.2), (3, 1.6)\}$

3. $\{(5, -4), (3, -5), (4, -3), (6, 4)\}$

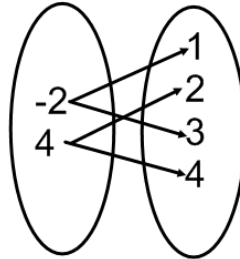
4. $\{(0.3, 0.6), (0.4, 0.8), (0.3, 0.7), (0.5, 0.5)\}$

5. Definition of a function ---- Every _____ has _____.

6. Are the ordered pairs a function?
Explain how you know.



7. Does the mapping diagram represent a function?
Explain how you know.



Make a mapping diagram and decide if it represents a function.

8. $\{(1, 4), (2, 6), (3, 4), (4, 7), (5, 4)\}$

9. $\{(-3, 5), (-4, 2), (-3, 1), (0, 6)\}$

Do the ordered pairs in the table represent a function? How do you know?

10.

INPUT	OUTPUT
2	1
3	2
0	3
7	4
2	5

11.

X	Y
2	-4
3	1
0	-4
7	1
2	-4

12. Make an example of a set of ordered pairs that is a function. Either make a table or a mapping diagram.

13. Make an example of a set of ordered pairs that is NOT a function. Either make a table or a mapping diagram.