

FUNCTIONS

What is a function? _____

To test whether a relation is a function:

Given Ordered Pairs	If x-values repeat, then it is NOT a function.
Given Graphs	Use the Vertical Line Test. If a vertical line intersects a graph more than once, then it is NOT a function.

Determine whether the following are functions:

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

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

5.

x	y
2	3
-1	0
0	1
1	1
2	2

6.

x	y
-2	3
-1	0
0	1
1	1
2	2

7.

x	y
-3	4
-1	2
0	1
-1	3
-2	5

8.

x	y
1	-5
-4	3
7	6
1	-2



