## Lesson: 1.1

Objective: Differentiate between functions & non-functions.

**Annotations:** 

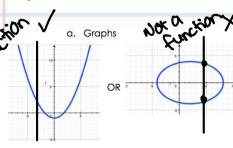
**Definitions:** 

a) Function: A relationship where every input (x)

goes to only one output (y)

1) In your own words, define a function!

**Representations of Functions:** 



b) Vertical line test:

visual method for deciding if graphs are

b. Tables Jencion + Not a functions!

2) Try this!

				<b>X</b> -	
Х	Y		х	Y	
1	2	1	. 1	2	
2	4	OR	2	4	
3	6		. 1	5	
4	8	1	3	8	
5	10	1	4	4	
6	12	1	5	10	
		_			

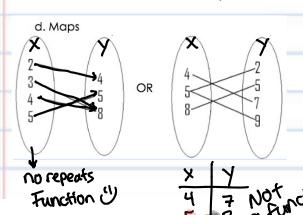
We look to see if the × values repeat! yes -> same #? Function

NO -> different #? Not function

c. Coordinates (X,Y)

(3.2) (3.3) (4.5) (5.9) (6.10) Not a function

Function. (3,6) (5,8) (7,10) (9,12) (11,14)



3) Summanize this rule!

4) Explain wny?

This is not a function because ....

5) Explain why #1 is a function!