

table
not a
function



table
function!



mapping
not a
function



mapping
function!



graph
not a
function

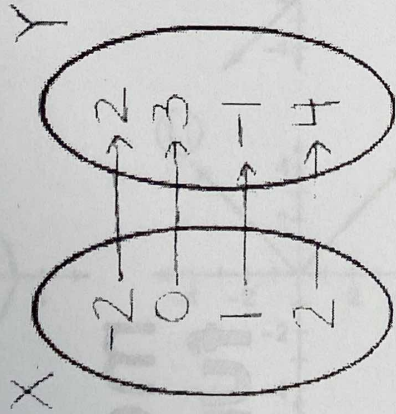


graph
function!



- each x-value is paired with one y-value
- x-values do not repeat

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



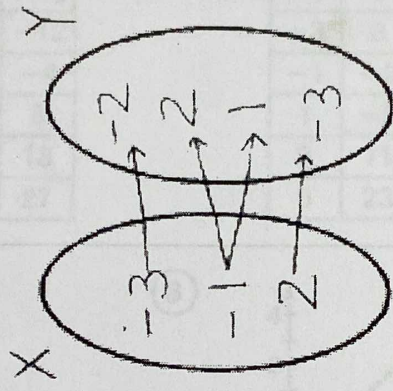
- each x-value is paired with one y-value
- 1 arrow from each x-value

Passes the Vertical Line Test!

(anywhere you draw \uparrow if only goes through 1 point)

- the x-value of -1 is paired with 2 y-values: 2 and 1
- the x-value -1 repeats

X	Y
-3	-2
-1	2
-1	1
2	-3



- the x-value of -1 is paired with 2 values

- this graph does not pass the Vertical Line Test!

