A **FUNCTION** is a relation in which each first value is paired with one and ONLY ONE second value.

Relation (a set of ordered pairs)

x   y

(,   )

(,   )

(,   )

(,   )

(,   )

Decide whether the relation is a function.   Yes or No

Why or why not?

_____

_____

_____

Input-Output Tables

x	y

x				
y				

Decide whether the relation is a function.   Yes or No

Why or why not?

_____

_____

_____

Mapping

X   Y
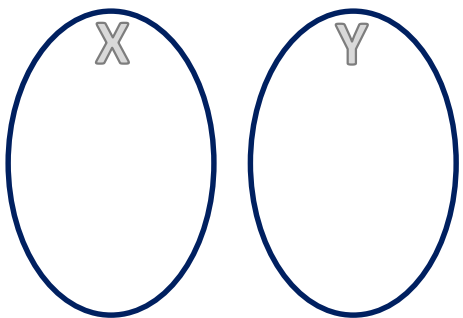
Decide whether the relation is a function.   Yes or No

Why or why not?

_____
_____
_____
_____
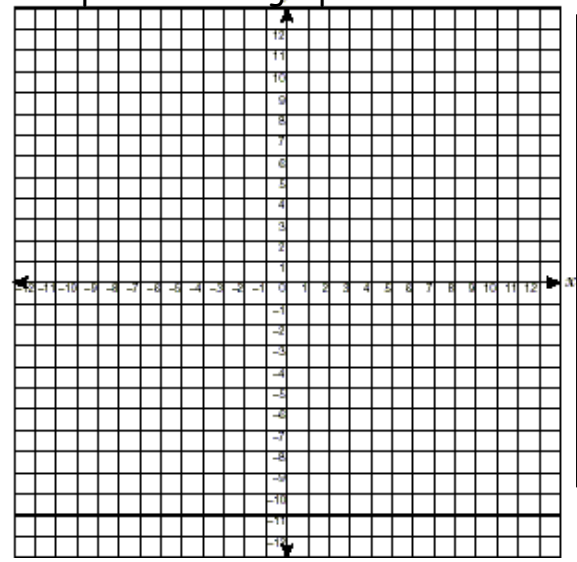
MCC8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

Vertical Line Test for Functions: a VERTICAL line crosses only one point on the graph

Decide whether the relation is a function.   Yes or No

Why or why not?

_____
_____
_____
_____