

Not Functions

Mapping
Diagram

Table

Graph

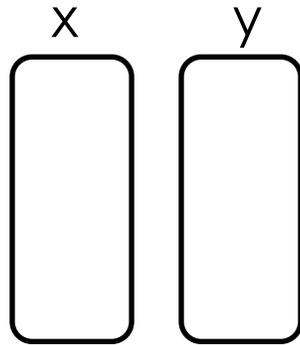
Functions

Mapping
Diagram

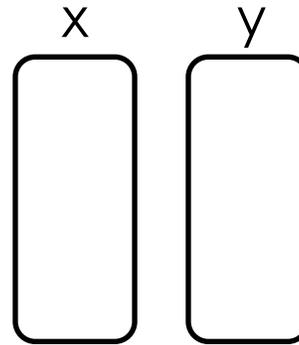
Table

Graph

This is a function because...



This is NOT a function because...



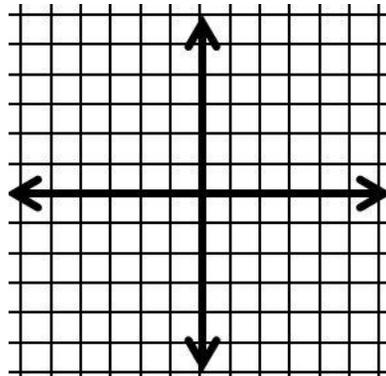
This is a function because...

| x | y |
|---|---|
| | |
| | |
| | |
| | |

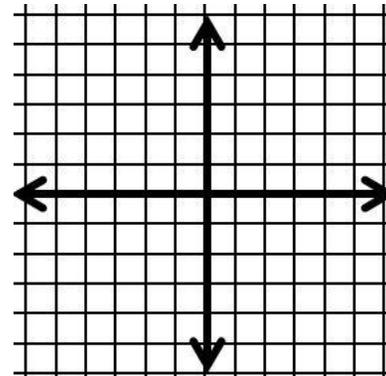
This is NOT a function because...

| x | y |
|---|---|
| | |
| | |
| | |
| | |

This is a function because...



This is NOT a function because...



Not Functions

Mapping
Diagram

Table

Graph

Functions

Mapping
Diagram

Table

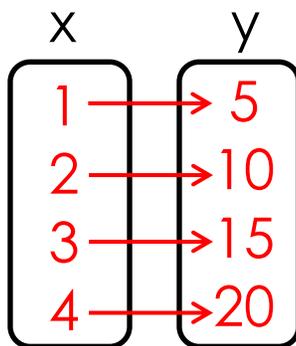
Graph

In order for a relation to be considered a function, each member of the domain (x), must be paired with only one member of the range (y).

If a member of the domain is paired with more than one value in the range, then it is NOT a function.

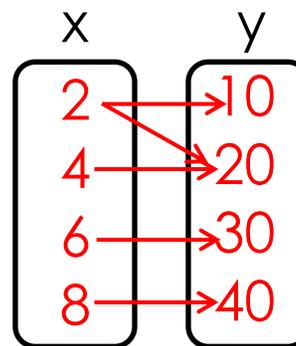
This is a function because...

Every 'x' is paired with a different 'y'.



This is NOT a function because...

A member of the domain is paired with more than one member of the range (x= 2 is paired with 10 and 20)



This is a function because...

Every 'x' is paired with a different 'y'. (It's okay for values in the range to repeat)

| x | y |
|---|----|
| 3 | 10 |
| 4 | 10 |
| 5 | 10 |
| 6 | 10 |

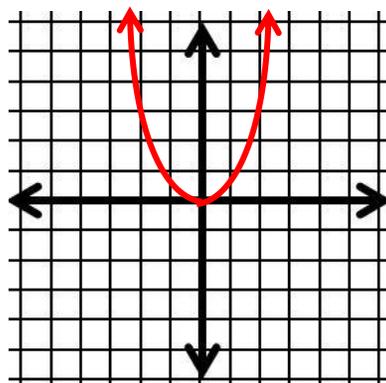
This is NOT a function because...

A member of the domain is paired with more than one member of the range (x= 4 is paired with 10 and 11)

| x | y |
|----|----|
| 4 | 10 |
| 4 | 11 |
| 8 | 12 |
| 12 | 13 |

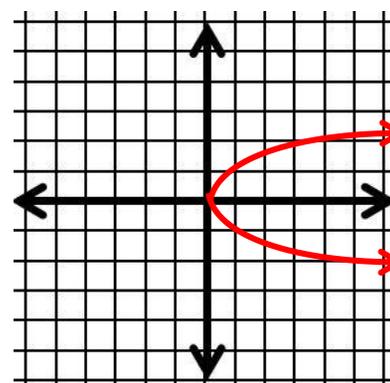
This is a function because...

It satisfies the vertical line test.



This is NOT a function because...

It does NOT satisfy the vertical line test.



© Lisa davenport 2013

Print pages 1 & 2 front to back. Fold the left and right sides into the center.
Cut along the dotted lines to make four tabs on each side.

The final product should look like this:

