

FUNCTION NOTATION

FUNCTION: There is a unique "x" for every "y"

RELATION: There is a not unique "x" for every "y"

FUNCTION NOTATION

"X" CANNOT REPEAT

TABLE: _____

x	y
1	1
2	2
3	3
4	4

Function or Relation



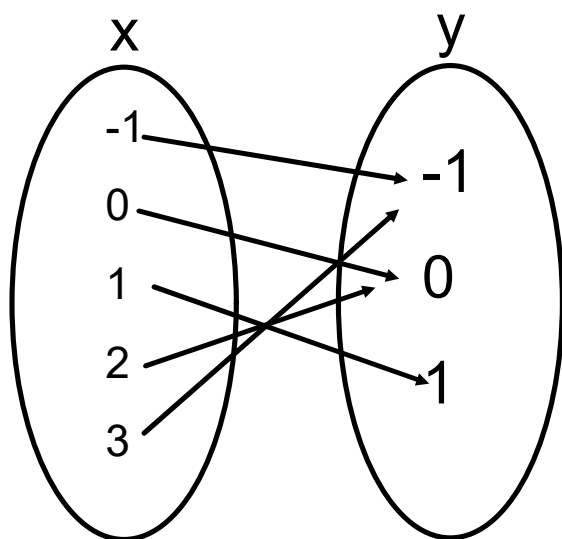
x	y
1	1
2	2
1	3
3	4

Function or Relation

FUNCTION NOTATION

MAPPING: ONE "X" must go to exactly ONE "Y"

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

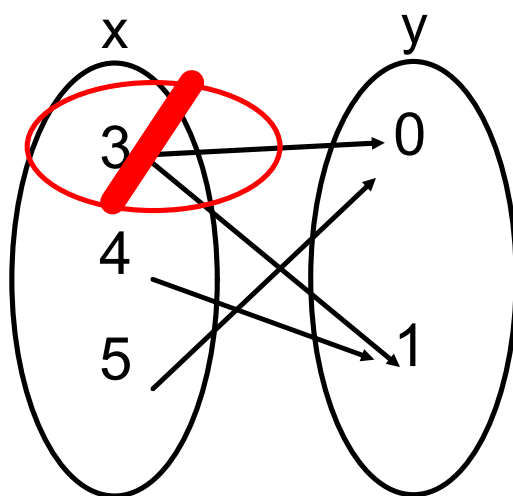


Function or Relation?

FUNCTION NOTATION

MAPPING: ONE "X" must go to exactly ONE "Y"

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



Function or Relation?

GRAPHICALLY

VERTICAL LINE TEST: IF A VERTICAL LINE TOUCHES THE GRAPH MORE THAN ONCE IT IS NOT A FUNCTION

