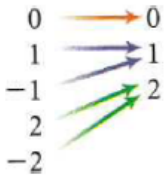
Worksheet on Functions, Domain, and Range

Level 2 Practice:

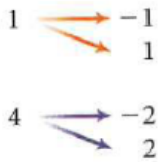
For each diagram, list the domain and range, and state whether or not it is a function.



DOMAIN:

RANGE:

FUNCTION
Yes/No



DOMAIN:

RANGE:

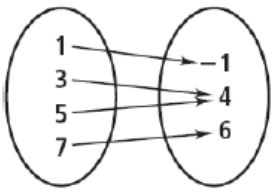
FUNCTION
Yes/No

$(-2, 3), (3, -2), (1, 3), (0, -2)$

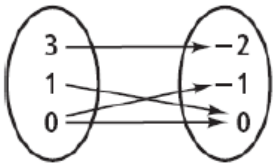
DOMAIN: RANGE: FUNCTION
Yes/No

$(3, -2), (-2, 3), (3, 1), (-2, 0)$

DOMAIN: RANGE: FUNCTION
Yes/No



ɔMAIN: RANGE: FUNCTION
Yes/No



DOMAIN: RANGE: FUNCTION
Yes/No

Worksheet Level 2:

Concept # _____

Goals:

Define a function

Identify a function from a table, list of coordinate points, or a diagram

Practice #1

A. Which tables below represent functions. Explain your answers.

Table 1

Input x	Output y
−2	−3
−1	−1
0	1
1	3
2	5
3	7
4	9

Table 2

Input x	Output y
4	−2
1	−1
0	0
1	1
4	2
9	3
16	4

Table 3

Input x	Output y
−2	0.44
−1	0.67
0	1
1	1.5
2	2.25
3	3.37
4	5.06

Table 4

Input x	Output y
−2	−3
−1	−5
1	−1
1	−3
2	−10
3	−2
3	−8

Table 1: _____

Table 2: _____

Table 3: _____

Table 4: _____

Practice #2

Functions:

DOMAIN: the input of a function RANGE: the output of a function

For a relationship to be a function there must be _____ output for each input.

For each table below:

i. does the table represent a function?

ii. what is the domain?

iii. what is the range?

Table A

Input	Output
1	2
2	4
3	6

Table B

Input	1	0	1
Output	1	2	5

Table C

Input	1	2	3	4	5	6
Output	0	0	0	0	0	0