

Worksheet Level 2:

Goals:

Define a function

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

Concept # _____

Practice #1

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

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

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

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

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



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?

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

Practice #3

Tell whether each table represents a function.

a.

Input	Output
1	4
2	3
3	4
4	3

b.

Input	Output
red	rose
blue	sky
yellow	sun
blue	ocean

c.

Input	Output
A	a
B	b
C	c
D	d

Practice #4

Tell whether each table represents a function.

a.

Input	Output
1	4
2	3
3	4
4	3

b.

Input	Output
red	rose
blue	sky
yellow	sun
blue	ocean

c.

Input	Output
A	a
B	b
C	c
D	d

Practice #5

This table converts standard time to military time.

Standard time (A.M.)	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00
Military time	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200

Standard time (P.M.)	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00
Military time	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400

a. Does this represent a function?

ge.