Name: Date: Period:

Find the function rule for each table, then use the function rule to complete the last row in the table.

1.

Input	Output
Tickets	Cost ($)
2	40
5	100
7	140
8	160
10	

Find m | Find b in y = mx + b

Re-write: _____

Use equation to find cost for 10 tickets:

2.

Input	Output
Minutes	Pages Read
2	1
10	5
20	10
30	15
60	

Find m | Find b in y = mx + b

Re-write: _____

Use equation to find pages read in 60 minutes:

3.

Input	Output
Muffins	Cost ($)
1	2.25
3	6.75
6	13.50
12	27.00
18	

Find m | Find b in y = mx + b

Re-write: _____

Use equation to find cost of 18 muffins:

Tell whether each relationship is a function and state why or why not.

4.

Input	6	7	8	7	9
Output	75	80	87	88	95

5.

Input	1	2	3	4	5
Output	4	8	12	16	20

6. (1, 3), (2, 5), (3, 0), (4, -1), (5, 5)

7. (2, 7), (6, 4), (0, 3), (2, 6), (1, 5)

8.

x	y
-4	14
-3	11
-2	8
-1	5
0	
1	

Find m:

Find b:

Re-write: _____

9.

x	1	2	3	4	5	6
y	4	6	8			

Find m: | Find b: | Re-write:

_____

10. The table represents the # of bacteria cells that reproduce per number of hours. Write an equation to represent the relationship between number of bacteria and hours and complete the table.

# of hours	# of bacteria
0	20
1	56
2	92
3	
4	
5	

Find m:

Find b:

Re-write: _____

11. The table represents the number of hours Megan worked and the amount of money she earned. Write an equation that represents the relationship between Megan's earnings and hours and complete the table.

Hours (h)	1	2	3	4	5	6
Earnings (e)	32	44	56			

Find m: | Find b: | Re-write:

_____

Function Table Worksheet 1