MasterMath

Input-Output Tables

Name _____

Date _____

1. **Create an Input-Output Table for this function. Use -3, -2, -1, 0, 1, 2, 3 as your domain.**
   y = 4x - 20

x	y
-3	-32
-2	-28
-1	-24
0	-20
1	-16
2	-12
3	-8

2. **Write an equation for the function shown by the table.**

x	y	y = x + 4
-1	3	
0	4	
1	5	
2	6	
3	7	

3. **The output is 3 more than twice the input. Write a function to describe this relationship; then create an Input-Output Table to represent the relationship for a domain of -2, -1, 0, 1, and 2.**

x	y	y = 2x + 3
-2	-1	
-1	1	
0	3	
1	5	
2	7	

4. **Complete the Table:**

x	y
1.0	-3.0
2.0	-1.0
3.0	1.0
4.0	3.0
5.0	5.0
6.0	7.0

5. **Correct the error(s) in this Input-Output Table:**

y = .5x + 3		
x	y	Corrections
0.0	3.5	3.0
1.0	4.0	3.5
2.0	4.0	
3.0	5.0	4.5
4.0	5.0	
5.0	5.5	

6. **The output minus 3 is equal to half the input. Write a function to describe this relationship; then create an Input-Output Table to represent the relationship for a domain of -2, -1, 0, 1, and 2.**

x	y	y = .5x + 3
-2	2.0	
-1	2.5	
0	3.0	
1	3.5	
2	4.0	