Name _____

Determining the Equations (Function Rule) of a Function

Date _____ Period _____

Given the function rule

$f(x) = x + 4$

Domain, x	$x + 4$	Range, $f(x)$, y
-2		
-1		
0		
2		

Determine the function rule from the following chart.

$f(x) = x + 4$

	x	y
How can I turn a -2 (x) into a 2 (y)?	-2	2
How can I turn a -1 (x) into a 3 (y)?	-1	3
How can I turn a 0 (x) into a 4 (y)?	0	4
How can I turn a 2 (x) into a 6 (y)?	2	6

Determine the function rule from the following chart.

$f(x) = 3x$

How can I turn a -4 (x) into a -12 (y)?

How can I turn a -2 (x) into a -6 (y)?

How can I turn a 1 (x) into a 3 (y)?

How can I turn a 3 (x) into a 9 (y)?

x	y
-4	-12
-2	-6
1	3
3	9

Determine the function rule from the following chart.

$f(x) = x - 2$

How can I turn a -2 (x) into a -4 (y)?

How can I turn a 1 (x) into a -1 (y)?

How can I turn a 2 (x) into a 0 (y)?

How can I turn a 4 (x) into a 2 (y)?

x	y
-2	-4
1	-1
2	0
4	2

Determine the function rule from the following chart.

$$f(x) = x^2$$

	x	y
How can I turn a -3 (x) into a 9 (y)?	-3	9
How can I turn a -1 (x) into a 1 (y)?	-1	1
How can I turn a 2 (x) into a 4 (y)?	2	4
How can I turn a 4 (x) into a 16 (y)?	4	16