

Find The Rule

Name _____

Given the Domain and the Range students should be able to determine the function rule.

Begin to think of the Domain as X and the Range as Y. Together they form an ordered pair. (domain,range) = (x,y)

	<u>Domain = X</u>	<u>Find the Rule</u>	<u>Range = Y</u>	<u>Ordered Pair</u>
1.)	6	_____	12	(6, 12)
	4	_____	8	(4, 8)
	2	_____	4	(2, 4)
	0	_____	0	(0, 0)
2.)	6	_____	9	(6, 9)
	4	_____	7	(4, 7)
	2	_____	5	(2, 5)
	0	_____	3	(0, 3)
3.)	6	_____	2	(6, 2)
	4	_____	0	(4, 0)
	2	_____	-2	(2, -2)
	0	_____	-4	(0, -4)
4.)	6	_____	15	(6, 15)
	4	_____	11	(4, 11)
	2	_____	7	(2, 7)
	0	_____	3	(0, 3)

The Function Machine

Our function machine takes a number $[x]$, operates on the number $[f(x)]$, and changes it to a new number $[y]$. Below are some function machines, the input $[x]$, and the output $[y]$. Can you figure out what the machine did $[f(x)]$ to the input?

Example:

