

# Functions: Lesson 5

## Writing Function Rules: Notes

Name: \_\_\_\_\_



Write the function rule for this set of data:

1. Write  $y=$
2. What are the  $y$ 's going up by?
3. Put that number in front of the  $x$ .
4. Pick a point and see what needs to be added or subtracted to make it work!

$x$	$y$
1	5
2	7
3	9

\_\_\_\_\_ = \_\_\_\_\_  
 Check point (2, 7):

Use (1, 5)  
 $y = 2x + ?$

Write the function rule for this set of data:

$x$     $y$   
 (1, 3)   \_\_\_\_\_ = \_\_\_\_\_  
 $y = 5x + ?$

$x$	$y$
1	3
2	8
3	13

Write the function rule for this set of data:

$x$     $y$   
 (1, 7)   \_\_\_\_\_ = \_\_\_\_\_  
 $y = -3x + ?$

$x$	$y$
1	7
2	4
3	1