

TETLE: Functions

Date	Lesson	Topic/Assignment			
4/12	1	Function Tables In-Glass Notes			
4/13	1	HOMEWORK: Homework Practice WS			
4/13	1	CLASSWORK: Pg583 WS			
4/14	2	Function Rules Video Notes and In-Glass Notes			
4/15	2	HOMEWORK: Practice WS			
4/15	6/15 2 GLASSWORK: Extra Practice WS				
4/16	3	Functions and Equations In-Class Notes			
4/19	3	GLASSWORK: Pg 599 WS			

Name Notes Unit Le	sson Due Date						
8-3 Functions and Equations							
1. Write an equation to represent the function shown in the table. Input, x 1 1 2 13 14 5 Output, y 9 18 27 36 45 1. What do I heed to do to x to get y? Rule: Multiply by 9. 2. Y = 9x	2. Graph y = 2x. 1 Choose at least 3 x's and follow the rule to get y. 2 x 2x y 5 y 1 2 1 2 3 4 5x 2 2 2 4 (2,4)						
Write an equation to represent the function shown in the table. Input, x 1 2 3 4 5 Output, y 12 24 36 48 60 Rule: Multiply by 12 Answer	Graph $y = x + 2$ Answer X Y 2 4 (2,4) 3 5 (3,5) 10 12 (10,12)						

Functions and Equations In-class Notes, Unit 8, Lesson 3, Pg2

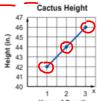
Functions can be represented using

equations or graphs.

If the graph is a line, the function is a

linear function

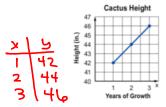
3. Martino constructed the graph shown, which shows the height of his cactus after several years of growth. Make a function table for the input-output values



Make ordered Pairs. (1, 42)

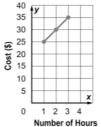
Input (x)	Output (y)
1	42
2	44
3	46

The x (input) values are 1,2,3 The y (output) values are 47,44,46 Martino constructed the graph shown, which shows the height of his cactus after several years of growth. Write an equation from the graph that could be used to find the height y of the cactus after x years.



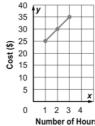
Melina constructed the graph at the right to show the cost to rent a canoe after several hours.

Write an equation from the graph that could be used to find the cost y to rent a canoe



y= 5x +20

Melina constructed the graph below to show the cost to rent a canoe after several hours.



Make a function table for the input-output

Ordered pairs: (1,25)



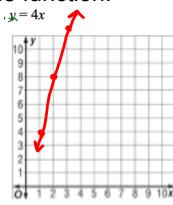
More Examples:

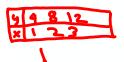
Write an equation to go with the function table.

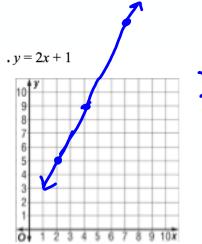
Input, x	1	2	3	4	5
Output, y	7	14	21	28	35

Input, x	2	4	6	8	10
Output, y	5	9	13	17	21

Graph the function.









Name

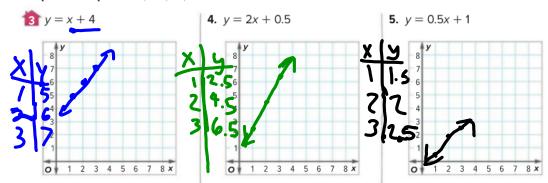
CLASSWORK Unit Lesson ___ Due Date

Write an equation to represent each function. (Example 1)

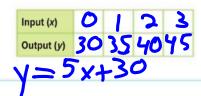
Input (x) 5 3 4 12 18 24 Output (y) 30

2.						
	Input (x)	0	1	2	3	4
	Output (y)	0	15	30	45	60

Graph each equation. (Example 2)



6. The graph shows the charges for a health club in a month. Make a function table for the input-output values. Write an equation that can be used to find the total charge y for the number of x classes. (Examples 3 and 4)



1 The graph shows the amount of money Pasha spent on lunch. Make a function table for the input-output values. Write an equation that can be used to find the money spent y for any number of days x. (Examples 3 and 4)



