Name:_____ Date:_____
HW: Comparing functions using vocabulary

PART A: For each of the following write down which function would match with the statement. Some answers will have MORE THAN ONE option, and you will use them MORE THAN ONCE!

Linear	Quadratic	Exponential

1) Has a domain of all real numbers	2) Has a vertex	3) Can have an interval of increase AND an interval of decrease
4) Asymptote	5) Slope	6) The range is always all real numbers
7) The end behavior for the y values will always be the same	8) Has a constant rate of change	9) Can be an even function

PART B: Comparing Functions
Use the following functions to answer the questions below

Function A:	Function B:	
$a_n = 15n - 6$	x	y
	-3	800
	-2	400
	-1	200

10) What kind of function is Function A?

11) What kind of function is Function B?

12) Write a formula for Function B.

13) What is the y intercept for Function A?

14) What is the y intercept for Function B?