Sept. 15 Worksheet

1. Linear functions are written in which form?

2. For exponential growth, you _____, instead of _____ like in a linear function.

3. What is the “toolbox” or base function for an exponential?

4. To represent growth or decay, what is the function?

What does the A represent?

What does the b represent?

5. How do we know between growth and decay?

6. Compare $f(x) = 5^{-x}$ and $g(x) = (1/5)^{x}$

x	f(x)	g(x)
-2		
-1		
0		
1		
2		

What do you notice?

7. Common ratio is another way our _____ is represented?

8. Starting value is another word for the _____?

9. Find the equation of the exponential curve that passes through (0, 5) and (3, 40)