

## Chapter 11 and 12

### ***This will count as 2 Quiz Grades that is Quiz and Quiz!***

For each of the vocabulary terms listed below:

- **Define** the term accurately in the context of chapter 11 and 12 content. *Spiral terms need to be defined as used in Algebra 1.*
- **Show an example** of the term – you can do this with a picture, graph, a sample problem, etc.

1. exponent
2. exponential function
3. exponential growth
4. compound interest
5. exponential decay
6. half-life
7. direct variation
8. inverse variation

#### **Spiral Vocabulary**

9. decreasing function
10. increasing function
11. slope intercept form
12. zeros of a quadratic equation
13. function notation
14. parent function

**Due: Chapter 11/12 exam day April 19**

- ❖ Vocabulary Lists turned in early will receive 5 bonus points.
- ❖ Extra creativity will be rewarded with up to 5 bonus points.

#### **Example:**

Difference of two squares – a binomial with one term subtracted from the other. Each term is a perfect square. } *definition*

$$\left. \begin{aligned} a^2 - b^2 &= (a + b)(a - b) \\ x^2 - 9 &= (x + 3)(x - 3) \end{aligned} \right\} \begin{array}{l} \text{formula} \\ \text{example} \end{array}$$

#### **GRADING RUBRIC:**

<b>Vocabulary List – Chapter 11/12 with Spiral</b>		
Extra points – early/creative (+10)		
Neatness (6)		
	definition	example
exponent	4pt	4pt
exponential function	4pt	4pt
exponential growth	4pt	4pt
compound interest	4pt	4pt
exponential decay	4pt	4pt
half-life	4pt	4pt
direct variation	4pt	4pt
inverse variation	4pt	4pt
decreasing function	3pt	2pt
increasing function	3pt	2pt
slope intercept form	3pt	2pt
zeros of a quadratic equation	3pt	2pt
function notation	3pt	2pt
parent function	3pt	2pt
<b>TOTAL POINTS</b>		