Exam Review #2 Functions and Graphs Algebra 1 Kitt/Baker

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_

**Unit 6: Graphs and Functions**

**Part 1: Vocabulary**

**Directions**: *Match each vocabulary term by placing the correct letter in the space provided next to each number.*

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| \_\_\_\_\_\_\_\_1. Function | 1. The y- values in a relation or ordered pair. |
| \_\_\_\_\_\_\_\_2. Relation | 1. A location on a graph denoted by |
| \_\_\_\_\_\_\_\_3. Quadrants | 1. The reverse of a point ex: |
| \_\_\_\_\_\_\_\_4. domain | 1. The proportional distance between two points. |
| \_\_\_\_\_\_\_\_5. range | 1. The x-values in a relation or ordered pair. |
| \_\_\_\_\_\_\_\_6. inverse | 1. A set of ordered pairs. |
| \_\_\_\_\_\_\_\_7. slope | 1. A set of ordered pairs with unique x-values. |
| \_\_\_\_\_\_\_\_8. Ordered pair | 1. When the graph is divided into four parts, each is identified as this. |

**Part 2: Relations**

**Directions**: Use the following relation to answer the questions.

9. What is the domain?

10. What is the range?

11. Is this a relation a function? Why or why not?

12. What is the inverse?

13. Does the inverse form a function? Why or why not?

**Directions**: Given and evaluate the function.

14. 15. 16. 17.

18. **Directions**: Given the equation: , do the following:

A. Use the domain {-1, 0, 3} to find the range. (Hint: Make a table with four columns).

B. Graph your result below.