

***Dynamics of Trigonometry - Ruckdeschel***

**Quadratic Equations**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Block: \_\_\_\_\_

1. What are the zeros of a function?
  
2. What do the zeros represent on the graph?
  
3. How can we determine the zeros of a quadratic function?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  
4. What is the standard form of a quadratic equation?
  
5. What is the vertex form of a quadratic equation?
  
6. What does the graph of a quadratic equation look like?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  
7. How can you determine the direction of the graph from the equation?
  
8. What is the vertex?
  
9. What is the axis of symmetry?