Name: _____ Period: _____ Date: _____

Quadratic Graphs and Their Properties Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **The graph of a quadratic equation represents a/an:**

   a. circle
   b. ellipse
   c. parabola
   d. None of these

2. **The line that divides the parabola into parts that are mirror images of each other is known as an:**

   a. Axis of symmetry
   b. Vertex
   c. Minimum
   d. Maximum

3. **If a parabola opens upwards, the vertex is the:**

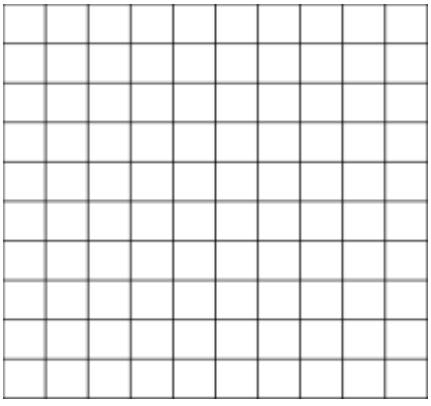
   a. Maximum
   b. Minimum
   c. Center
   d. None of these

4. **Which quadratic equation has the widest graph?**

   a. $y = x^2$
   b. $y = 2x^2$
   c. $y = 0.5x^2$
   d. $y = 0.1x^2$

Part B Instructions: Answer the question below.

5. **Graph each quadratic function $y = -3x^2 + 2$.**



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ANSWERS: **Part A** **Instructions:** Choose the option that completes the sentence or answers the question.

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4. **Which quadratic equation has the widest graph?**

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   d. $y = 0.1x^2$

Part B **Instructions:** Answer the question below.

5. **Graph the quadratic function $y = -3x^2 + 2$.**