

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 $y = -3x^2 + 2$.

