

Quadratic Functions Exit Quiz

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

1. The line that divides the graph of the quadratic function into two parts that are mirror images of each other is known as:
 - a. x-axis
 - b. y-axis
 - c. axis of symmetry
 - d. rotational axis

2. The point where the graph of the quadratic function intersects with axis of symmetry is known as:
 - a. Center
 - 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. The coordinates of the vertex of a quadratic function $f(x) = ax^2 + bx + c$ are:
 - a. $\left(-\frac{b}{2a}, f\left(-\frac{b}{2a}\right)\right)$
 - b. $\left(\frac{b}{2a}, f\left(\frac{b}{2a}\right)\right)$
 - c. $\left(0, f\left(-\frac{b}{2a}\right)\right)$
 - d. $\left(-\frac{b}{2a}, f\left(\frac{b}{2a}\right)\right)$

Part B Instructions: Answer the question below.

5. Identify the axis of symmetry and vertex of the graph of the quadratic function $f(x) = x^2 - 8x$.