

Solving Quadratic Equations Exit Quiz

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

1. Which one of these represents a quadratic equation?

- a. $y = x^3 - 1$
- b. $y = x^2 - 2x + 1$
- c. $y = x + 1$
- d. $y = 1$

2. The points of intersection of the graph of the quadratic function and _____ give the solution of the quadratic equation.

- a. x-axis
- b. y-axis
- c. z-axis
- d. Maximum

3. If the graph of the quadratic function does not intersect the x-axis, the equation has:

- a. 1 solution
- b. 0 solution
- c. 2 solutions
- d. None of these

4. The solution of the equation $f(x) = x^2 + 4$ is/are:

- a. 2
- b. 2,-2
- c. Does not exist
- d. None of these

Part B Instructions: Answer the question below.

5. Find the solution of the equation $4b^2 - 36 = 0$ by finding the square roots or mention if the equation has no solution.

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Part B Instructions: Answer the question below.

5. Find the solution of the equation $4b^2 - 36 = 0$ by finding the square roots or mention if the equation has no solution.

$$b^2 = \frac{36}{4} = 9$$

$$\sqrt{b^2} = \sqrt{9}$$

$$b = \pm 3$$