

# The Quadratic Formula and the Discriminant Exit Quiz

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

1. The quadratic formula can be used to find:

- a. Real solutions
- b. Complex solutions
- c. Both a and b
- d. None of these

2. The discriminant of the quadratic equation  $y = x^2 + 7x - 3$  is:

- a. 60
- b. 21
- c. 10
- d. 61

3. The quadratic equation has real solutions if:

- a.  $b^2 - 4ac < 0$
- b.  $b^2 - 4ac = 0$
- c.  $b^2 - 4ac > 0$
- d. None of these

4. The equation  $y = 4x^2 - 4x + 1$  has:

- a. Two solutions
- b. One solution
- c. No solution
- d. Infinite solutions

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

5. Find the solutions of  $x^2 + 9x - 13 = 0$ .