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General Questions

Practice Questions

Q1. Which of the following is the correct factorization of x^2 - 9?

A. (x - 3)(x + 3)
B. (x - 3)(x - 3)
C. (x + 3)(x + 3)
D. (x - 9)(x + 1)

Solution: Step 1: Recognize it as a difference of squares: a^2 - b^2 = (a - b)(a + b). Step 2: Here, a = x, b = 3. So, (x - 3)(x + 3).

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