



SoulShift - Educational Q&A Platform

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, $(x - 3)(x + 3)$.



