



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What are the roots of the quadratic equation $x^2 + 4x + 4 = 0$?

- A. $x = -2, -2$
- B. $x = 2, 2$
- C. $x = -4, 0$
- D. $x = 0, 4$

Solution: Step 1: Factor the equation: $(x + 2)(x + 2) = 0$. Step 2: Set the factor to zero: $x + 2 = 0$. Step 3: Solution is $x = -2$ (double root).

Q2. Which of the following inequalities represents the solution to $2x + 3 \geq 7$?

- A. $x \geq 2$
- B. $x \leq 2$
- C. $x \geq 3$
- D. $x \leq 3$

Solution: Step 1: Subtract 3 from both sides: $2x \geq 4$. Step 2: Divide by 2: $x \geq 2$.



