Example 1: A Standard Quadratic Equation

Solve: $x^2 + 5x + 6 = 0$

Example 2: Equation Not Equal to Zero:

Solve: $2x^2 - x = 3$

Example 3: One Solution

Solve: $4x^2 - 24x + 36 = 0$

Example 4: No Real Solutions (The Discriminant is Negative!)

Solve: $x^2 + 2x + 5 = 0$