ZiloAcademy

✨ Grade 10 Maths — Quadratic Formula ✨

Name: Demo **Date:** 26/11/2026

1. Find the discriminant ($b^2 - 4ac$) of $x^2 + 4x - 6 = 0$.

2. Find the discriminant ($b^2 - 4ac$) of $2x^2 + 9x - 9 = 0$.

3. Solve using the quadratic formula, to 2 decimal places: $2x^2 - 8x + 3 = 0$ (format like -0.42,3.17 — smaller first)

4. Solve using the quadratic formula, to 2 decimal places: $x^2 + 3x - 7 = 0$ (format like -0.42,3.17 — smaller first)

5. How many real solutions does $4x^2 + 8x = 0$ have? (0, 1 or 2)

6. Solve using the quadratic formula, to 2 decimal places: $2x^2 + 7x - 10 = 0$ (format like -0.42,3.17 — smaller first)

7. Solve using the quadratic formula, to 2 decimal places: $x^2 + 5x - 10 = 0$ (format like -0.42,3.17 — smaller first)

8. Solve using the quadratic formula, to 2 decimal places: $3x^2 - 8x - 4 = 0$ (format like -0.42,3.17 — smaller first)

9. Solve using the quadratic formula, to 2 decimal places: $x^2 - 9x + 5 = 0$ (format like -0.42,3.17 — smaller first)

10. Solve using the quadratic formula, to 2 decimal places: $2x^2 - 8x - 7 = 0$ (format like -0.42,3.17 — smaller first)