ZiloAcademy

✨ Grade 10 Maths — Quadratic Expressions ✨

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

1. Expand to the form $ax^2 + bx + c$: $(x + 4)(x + 1)$ (format like 3x^2-5x-2, no spaces)

2. In $-5x^2 + 2x + 1$ written as $ax^2 + bx + c$, what is the value of c?

3. In $2x^2 + 3x + 2$ written as $ax^2 + bx + c$, what is the value of c?

4. In $5x^2 + x - 6$ written as $ax^2 + bx + c$, what is the value of a?

5. Is $\sqrt{x} + 4$ a quadratic expression? (yes / no)

6. Is $7x^2$ a quadratic expression? (yes / no)

7. Expand to the form $ax^2 + bx + c$: $(x - 2)(2x - 3)$ (format like 3x^2-5x-2, no spaces)

8. Expand to the form $ax^2 + bx + c$: $(3x + 2)(3x - 1)$ (format like 3x^2-5x-2, no spaces)

9. Is $5x - 7$ a quadratic expression? (yes / no)

10. In $-4x^2 - 6x - 6$ written as $ax^2 + bx + c$, what is the value of c?