ZiloAcademy

✨ Grade 10 Maths — Algebraic Expressions & Substitution ✨

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

1. Simplify: $3x^2 + x - 4x^2 + 8x$ (format like 2x^2-7x+1, no spaces)

2. Evaluate $2x^2 - 3xy - 4y^2$ when $x = -2$ and $y = 1$.

3. Simplify: $6x^2 - 9x - x^2 - 7x$ (format like 2x^2-7x+1, no spaces)

4. Simplify: $3x^2 - 8x - 6x^2 + 2x$ (format like 2x^2-7x+1, no spaces)

5. Evaluate $4x^2 - 5xy + 2y^2$ when $x = -6$ and $y = -1$.

6. Simplify: $3x^2 + 9x + 5x^2 - 6x$ (format like 2x^2-7x+1, no spaces)

7. Simplify: $x^2 + 7x + 7x^2 - 3x$ (format like 2x^2-7x+1, no spaces)

8. Simplify: $-5x^2 + 5x + 6x^2 + 8x$ (format like 2x^2-7x+1, no spaces)

9. Simplify: $8x^2 - 2x + 3x^2 + x$ (format like 2x^2-7x+1, no spaces)

10. Evaluate $-x^2 - 2xy + 5y^2$ when $x = -4$ and $y = 6$.