ZiloAcademy

✨ Grade 10 Maths — Quadratic Graphs ✨

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

1. Find the x-intercepts of $y = x^2 + 6x - 16$ (format like -4,1 — smaller first)

2. A parabola has x-intercepts at $x = 2$ and $x = -4$. What is the x-coordinate of its turning point?

3. Is the turning point of $y = 3(x - 8)^2 + 0$ a maximum or a minimum? (maximum / minimum)

4. What is the axis of symmetry of $y = 2(x + 3)^2 + 8$? (format like x=-3)

5. A parabola has x-intercepts at $x = 0$ and $x = 2$. What is the x-coordinate of its turning point?

6. A parabola has x-intercepts at $x = 5$ and $x = -2$. What is the x-coordinate of its turning point?

7. Find the x-intercepts of $y = x^2 + x - 42$ (format like -4,1 — smaller first)

8. Find the x-intercepts of $y = x^2 - 4x - 21$ (format like -4,1 — smaller first)

9. Is the turning point of $y = (x + 6)^2 + 7$ a maximum or a minimum? (maximum / minimum)

10. Find the x-intercepts of $y = x^2 - 2x - 8$ (format like -4,1 — smaller first)