ZiloAcademy

✨ Grade 10 Maths — Parallel & Perpendicular Lines ✨

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

1. What is the gradient of a line parallel to y = 4x − 1?

2. Find the equation of the line parallel to y = 3x − 2 that passes through (-4, 5). (format like y=3x-1, no spaces)

3. What is the gradient of a line parallel to y = 5x − 3?

4. What is the gradient of a line perpendicular to y = −5x − 5? (fraction like -1/4 if needed)

5. Find the equation of the line parallel to y = 3x − 3 that passes through (-1, 0). (format like y=3x-1, no spaces)

6. What is the gradient of a line parallel to y = 3x + 5?

7. Lines have gradients -5 and -1/5. Are they parallel, perpendicular or neither?

8. What is the gradient of a line parallel to $y = 2x + 2$?

9. What is the gradient of a line perpendicular to $y = -4x + 1$? (fraction like -1/4 if needed)

10. What is the gradient of a line perpendicular to $y = 2x + 6$? (fraction like -1/4 if needed)