## Exercise 25

Write an equation for a line parallel to g(x) = 3x - 1 and passing through the point (4, 9).

## Solution

A parallel line has the same slope as the given line: 3. Use the point-slope formula to get the equation of the line through (4,9).

$$y - 9 = 3(x - 4)$$

$$y - 9 = 3x - 12$$

$$y = 3x - 3$$