Exercise 26

For the following exercises, find the slope of the line that passes through the two given points.

$$(1, 5) \text{ and } (4, 11)$$

Solution

Use the formula for the slope.

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{11 - 5}{4 - 1} = \frac{6}{3} = 2$$

Therefore, the slope of the line passing through these two points is 2.