

Exercise 25

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

$$(2, 4) \text{ and } (4, 10)$$

Solution

Use the formula for the slope.

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{10 - 4}{4 - 2} = \frac{6}{2} = 3$$

Therefore, the slope of the line passing through these two points is 3.