

Exercise 27

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

$$(-1, 4) \text{ and } (5, 2)$$

Solution

Use the formula for the slope.

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

Therefore, the slope of the line passing through these two points is $-1/3$.