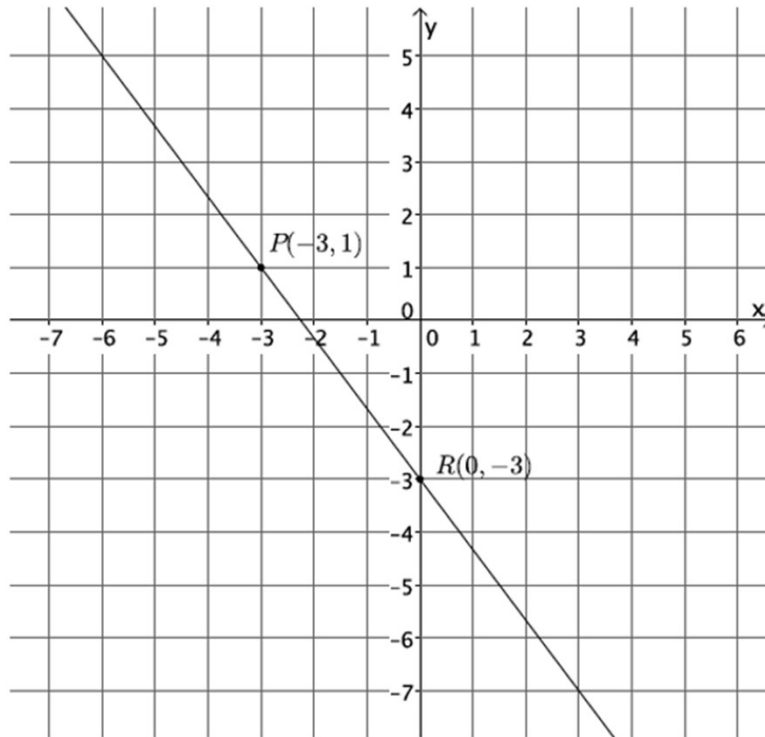# Slope of a Line

Use the graph to complete parts (a)–(c).

a) Select any two points on the line to calculate the slope.

b) Compute the slope again, this time reversing the order of the coordinates.

c) What do you notice about the slopes you computed in parts (a) and (b)?
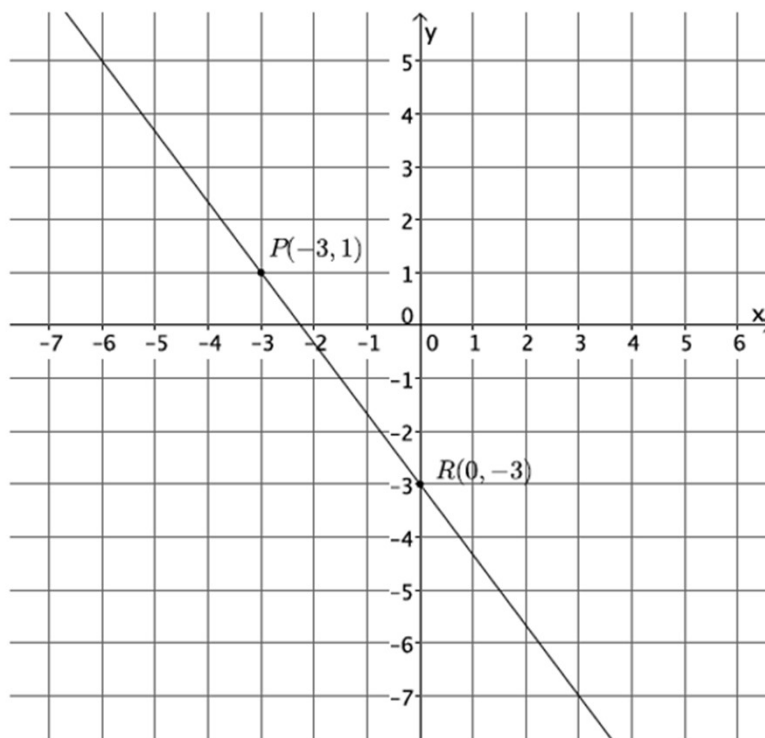
Slope of a Line

Use the graph to complete parts (a)–(c).

a) Select any two points on the line to calculate the slope.

$$m = \frac{p_2 - r_2}{p_1 - r_1} = \frac{1 - (-3)}{-3 - 0} = \frac{4}{-3} = -\frac{4}{3}$$

b) Compute the slope again, this time reversing the order of the coordinates.

$$m = \frac{(r_2 - p_2)}{(r_1 - p_1)} = \frac{-3 - 1}{0 - (-3)} = \frac{-4}{3} = -\frac{4}{3}$$

c) What do you notice about the slopes you computed in parts (a) and (b)?

The slopes are equal.