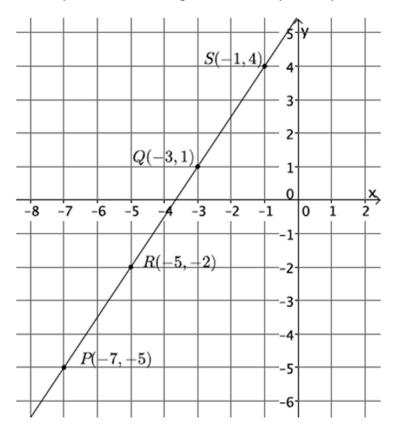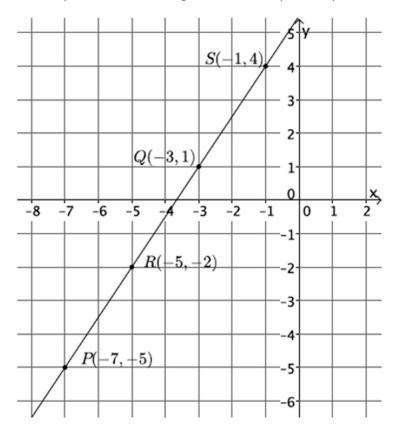# Slope of a Line

Calculate the slope of the line using two different pairs of points.

Slope of a Line

Calculate the slope of the line using two different pairs of points.

$$m = \frac{p_2 - r_2}{p_1 - r_1}$$
$$= \frac{-5 - (-2)}{-7 - (-5)}$$
$$= \frac{-3}{-2}$$
$$= \frac{3}{2}$$

Let the two new points be $(-3, 1)$ and $(-1, 4)$.

$$m = \frac{q_2 - s_2}{q_1 - s_1}$$
$$= \frac{1 - 4}{-3 - (-1)}$$
$$= \frac{-3}{-2}$$
$$= \frac{3}{2}$$