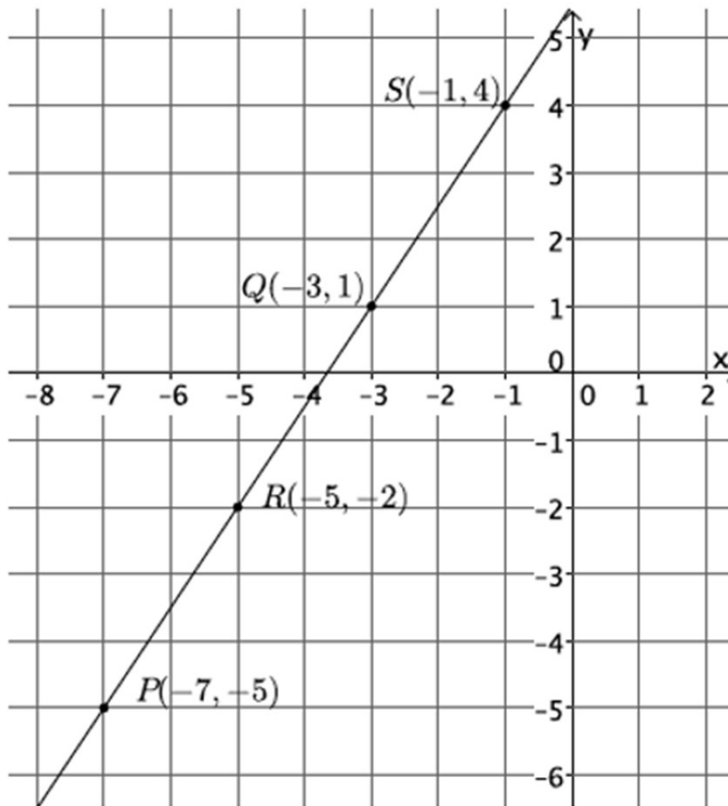


Slope of a Line

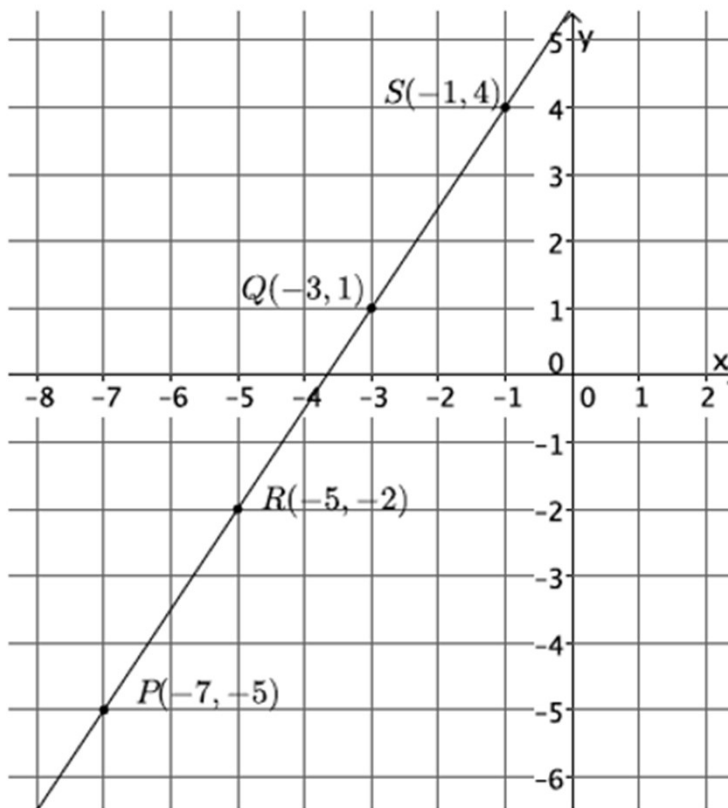
Calculate the slope of the line using two different pairs of points.



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Slope of a Line

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



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

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

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

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