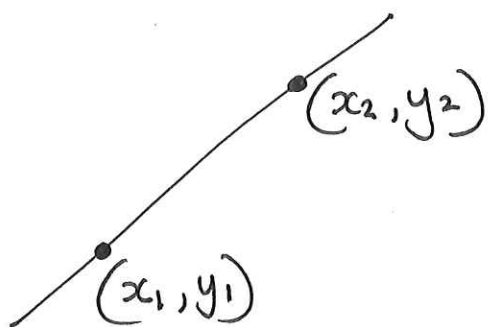


$$\text{Gradient} = m = \frac{y_2 - y_1}{x_2 - x_1}$$

or $y = mx + c$

$$ax + by + c = 0$$



$$y - y_1 = m(x - x_1)$$

Parallel gradients are the same

Perpendicular gradient A $\times$ gradient B = -1

Length between 2 points

$$\text{length} = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$