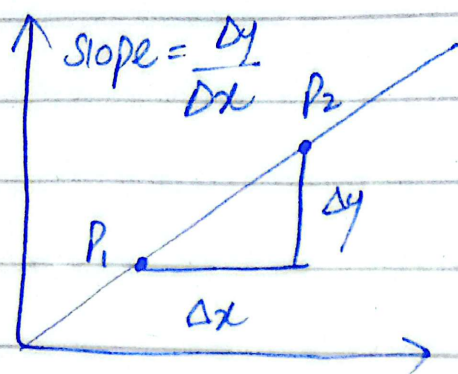
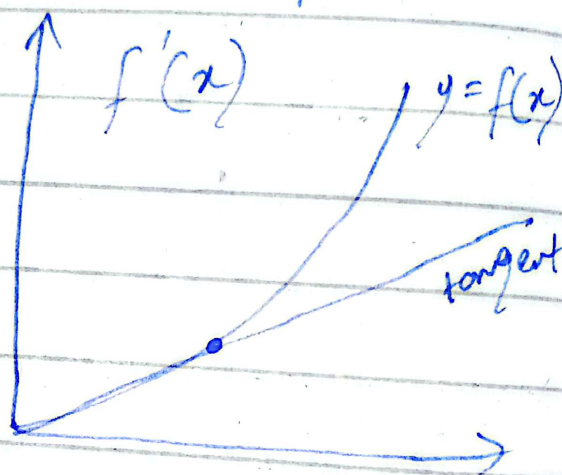
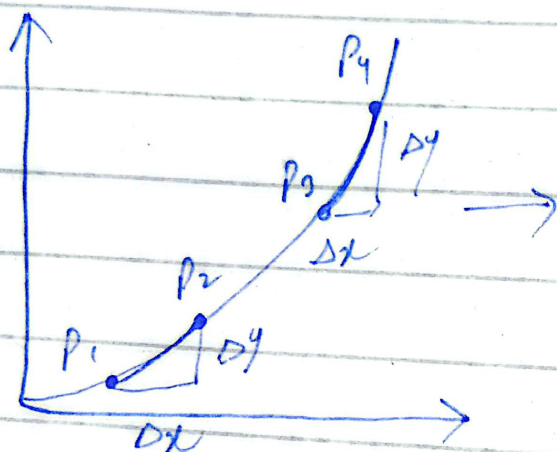


Derivatives as the Concept



It is in the case if the slope is constant means the change in y is directly equal to change in x .



Slopes are showing different behaviours of the derivatives also gives different behaviours

Instantaneous value

$$\text{slope} = \frac{dy}{dx}$$

$$f'(x)$$

$$x = y' = y''$$