## Slope of a line = $\Delta y$ $\Delta x$ Ex 1) $y = x^2$ [0, 3] Find the slope of the secont line

Slope of a line = Δy Δx	Find the slope at a given point
Ex 2) $y = x^2$	

$$\lim_{h\to 0} \frac{f(a+h) - f(a)}{h}$$

- Slope at a given point
- Slope of the tangent line
- Numerical Derivative

Ex 3) Find the slope of 
$$y = x^2+2$$
 at  $x = 1$ 

$$\lim_{h\to 0} \frac{f(a+h) - f(a)}{h}$$

