

$$\int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \int_{-\infty}^{\infty$$

$$h \rightarrow 0 \Rightarrow f(a+h) - f(a) \approx Dh$$

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

tangent straight line

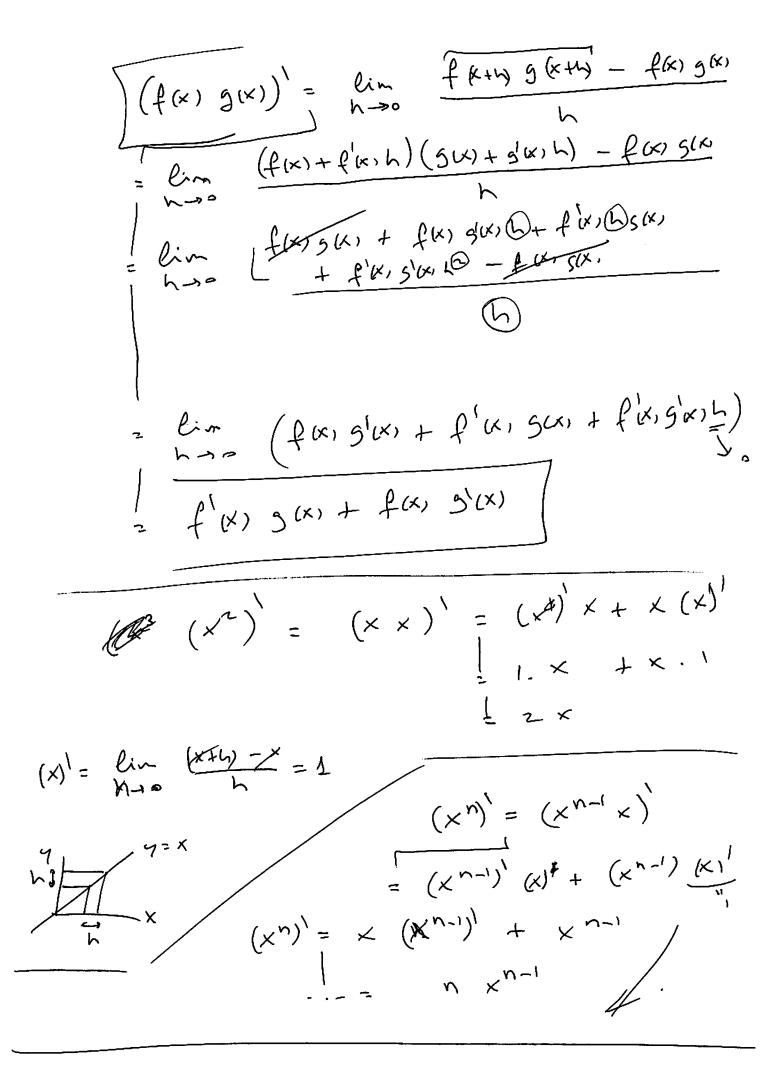
$$f'(x) = x^{2} \rightarrow f'(x) = 2x = \frac{df(x)}{dx}$$

$$f'(x) = \lim_{n \to \infty} \frac{(a+h)^{2} - a^{2}}{h}$$

$$\lim_{n \to \infty} \frac{(a+h)^{2}}{h}$$

$$\lim_{n \to \infty} \frac{(a+h)^{2} - a^{2}}{h}$$

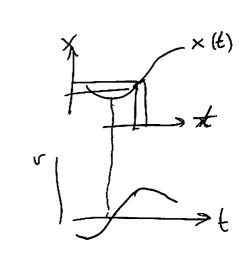
$$\lim_{n \to \infty} \frac{(a+h)^{2$$

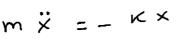


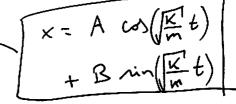
$$\sigma = \frac{dx}{dt} = \dot{x}$$

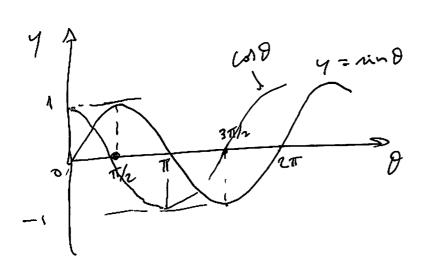
$$\sigma = \frac{dv}{dt} = \frac{d}{dt} \left(\frac{dx}{dt}\right)$$

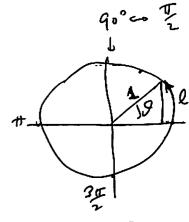
$$= \frac{d^{2}x}{dt^{2}} = \dot{x}$$





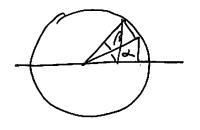


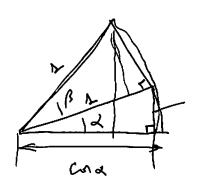




2 mr = (Darde

(1) $(x + \beta) = (\cos x)\cos \beta - \sin x \sin \beta$ $\sin (x + \beta) = \sin x \cos \beta + \cos x \sin \beta$





(2) Revivative

3 dimits -3 $e = \lim_{n \to \infty} (1 + \frac{1}{n})^n$ = 2.71828...

'e" homber