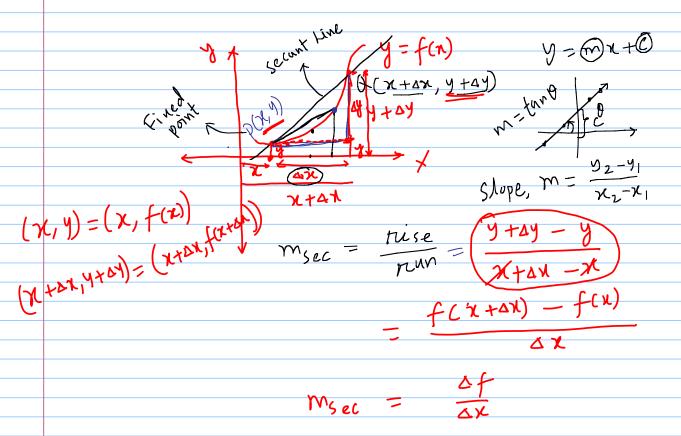


7-7

\*\*

y = f(n)

Defferetiation:



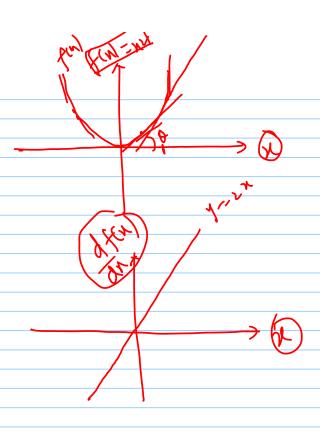
if 
$$Q \rightarrow D$$
; then  $\Delta N \rightarrow 0$ ,

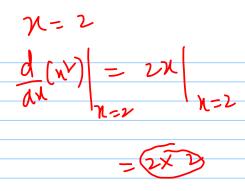
 $M_{SEL} \rightarrow M_{TAN} = At \Delta f$ 

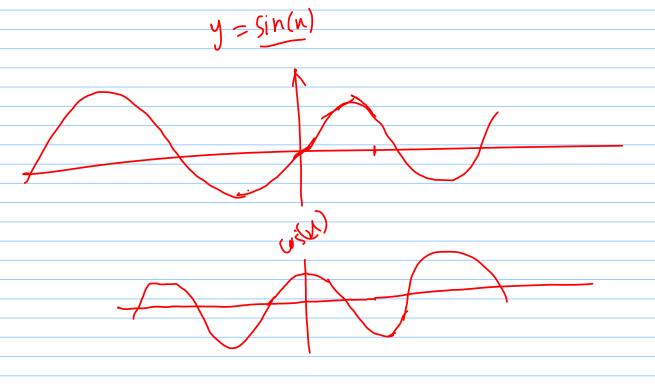
$$Af(N) = At \Delta f$$

$$AV = AN + 0 \Delta N$$

$$AV = AN +$$







$$\frac{d(x^{n}) = n \times^{n-1}}{dx}$$

$$\frac{d(\sin 5x) = \cos x}{dx} = \cos (5x) \frac{d \cos x}{dx}$$

$$\frac{d(e^{x}) = e^{x}}{dx} = \cos (5x)$$

$$\frac{d(e^{x}$$

\* Fundamental Theorem of Calculus:

I find a general Theorem of Calculus:

$$\frac{df(n)}{dx} = g(n) \iff \int g(n) dx = f(n) + C$$

$$\frac{df(n)}{dx} = g(n) \iff \int \frac{1}{2} x dx = x^{2} + C$$

$$\frac{df(n)}{dx} = 2x$$

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$$\frac{df(n)}{dx} = \frac{1}{$$

$$\frac{d}{dn}(\sin n) = \cos n$$

$$\int \cos n \, dn = \sin n$$

$$\frac{d}{dn}(x^{2}+2) = 2x$$

$$\frac{d$$

$$\int_{x=0}^{x=0} f(x) dx = [g(x)]_{x=0}^{x=0} = g(b) - g(a)$$

$$\int_{x=0}^{x=0} [x]_{x=0}^{x=0} = g(b)$$



