Wed. WK 10

#ω 4.3.5

$$f'(x) = 4xe^{x^{3}}$$

$$f'(x) = 4e^{x^{3}} + 4x \cdot e^{x}(-3x) = 4e^{x^{3}} \begin{bmatrix} 1 - 3x^{3} \end{bmatrix}$$

$$f''(x) = 4e^{x^{3}} (-3x) \begin{bmatrix} 1 - 3x^{3} \end{bmatrix} + 4e^{x^{3}} \begin{bmatrix} -3x(3) \\ -4x \end{bmatrix}$$

$$= 4e^{x^{3}} (-3x) \begin{bmatrix} (-3x^{3} + 3) \end{bmatrix} \xrightarrow{P.0.T} \bigcirc$$

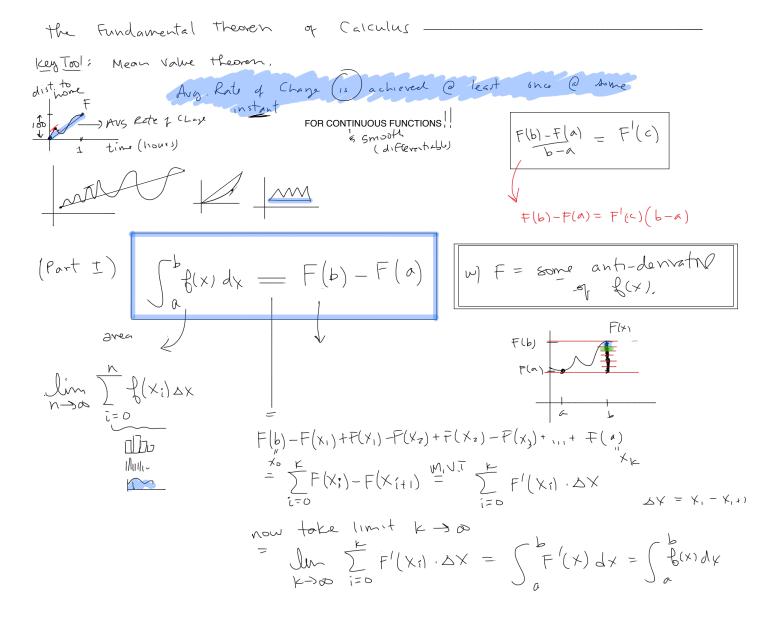
$$-8x = 0 - x^{2} = \ln 0$$

$$-8x = 0 - x^{2} = 1$$

Asymptote (in Enits behavior)

Honzontal (what are the y-value whe x
$$\rightarrow \sigma$$

In $4 \times e^{-1} \times e^{-1} = 1$
 $1 \times e^{-1} \times e^{-1} =$



Fit. (, Part II -Area so for function

$$A(x) = \int_{0}^{x} f(t) dt$$

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$$\frac{d}{dx} (A(x)) = A'(x) = f(x)$$

$$A(x+h) - A(x+h)$$