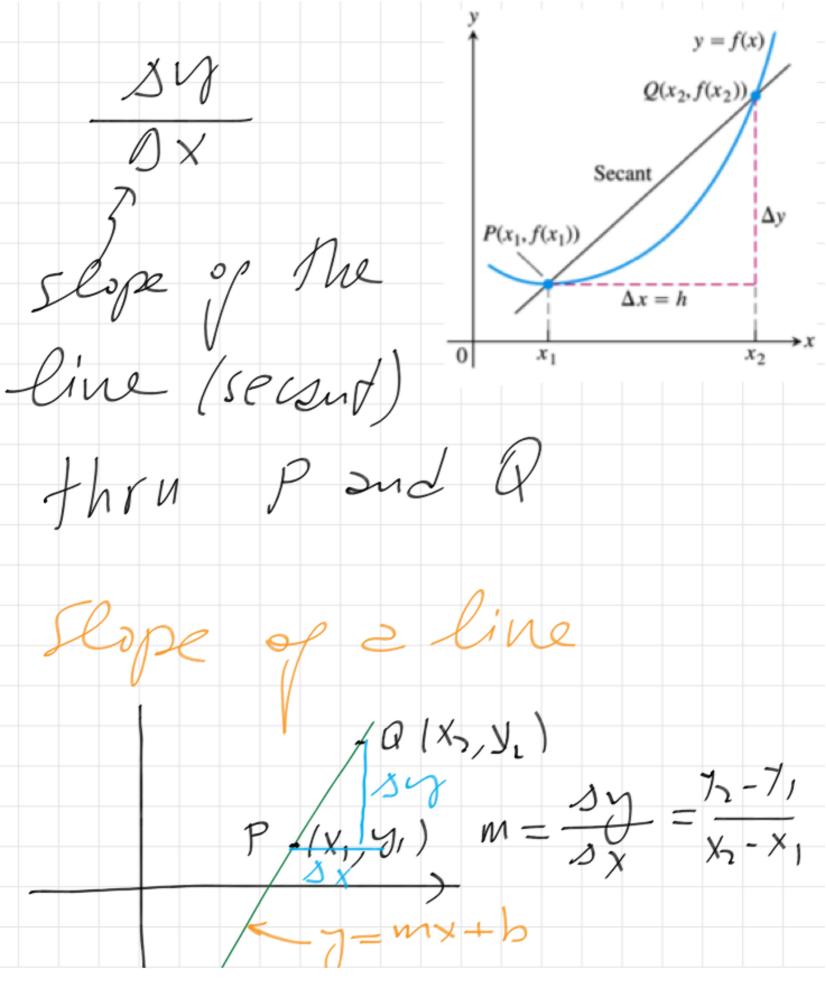
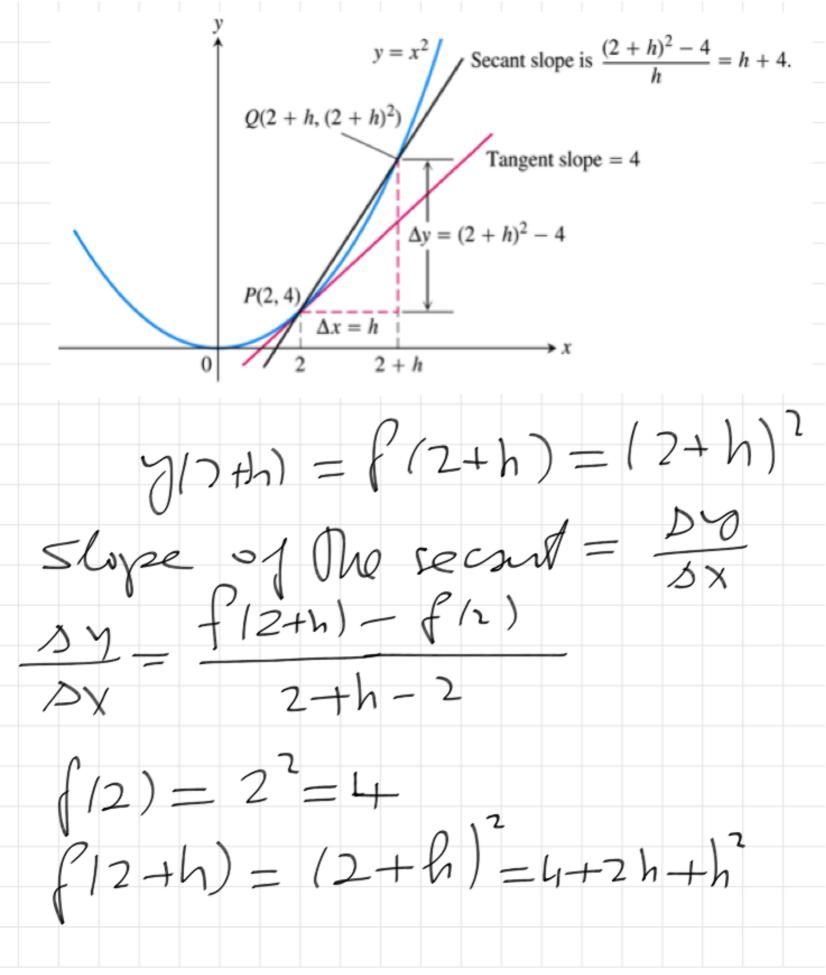
Chapter 2 Cimits and Continuity The average vate change of y(x) = f(x) over interval $[\times, \times, \times,]$ is $\frac{f(x_1)-f(x_1)}{2}\cdot h\neq 0$ 5 lope=m



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f(2+h)-(1/7) 4+ 4h+h2-4 M(24+h) When the secsat line touches the corne of 2 single, It becomes tongent.

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The stope of the Engent line of x=2that is ho, is 17 = 4-1/ = 4 Tangent mesni, The Slope of 2 single pt. on The graph (wive).

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Secants Tangent 3 pe of the tongent tv y1x)=

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(1/x) messis the Instantaneous 12 te change of f(x) It $\frac{df}{dx} = \int_{X_0}^{I} X_0$ Dy is the Iverge rite
sx change of fix) $y = mx + b \rightarrow y' = m$ $y = c \rightarrow y' = 0$ EX

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