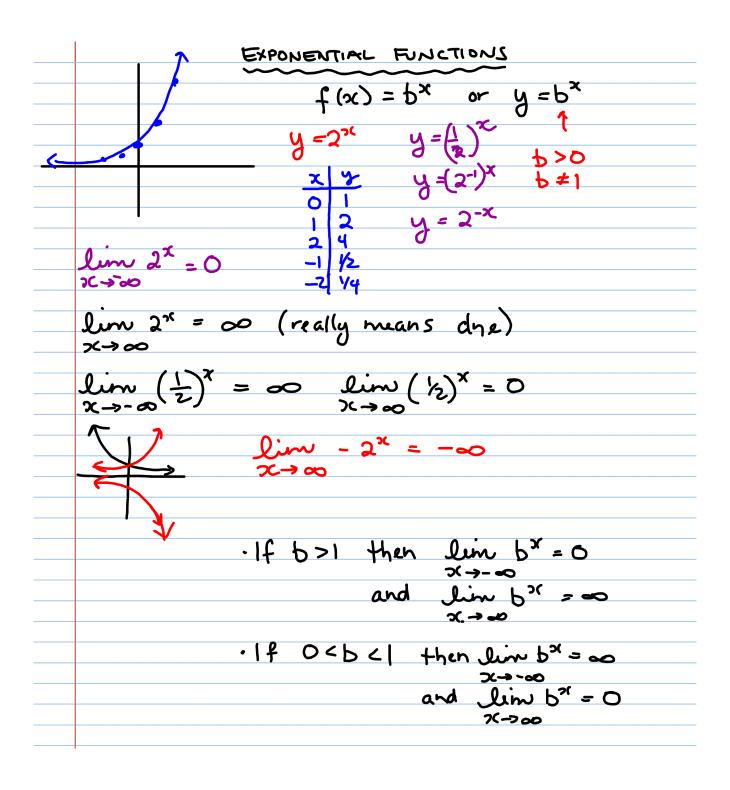
	This Unit's Schedule
1	Thursday: Limits AND Derivatives of Exponential F1's (8-1 +8.7)
F	71: Limits AND Derivatives of Logarithmic F2's (8-3 + 8.4)
	10N: Logarithmic Differentiation (8.6)
-	TUES WED: REVIEW & WORKSHEETS
	Thurs: Chapter 8 TEST



Ext
$$y = 3 + 2^{x}$$
 what is the limit?

 $y = 2^{x} + 3$ as $x \rightarrow -\infty$

$$\lim_{x \rightarrow -\infty} (3 + 2^{x}) = 3$$

$$\lim_{x \rightarrow -\infty} f(x) + g(x)$$

$$\lim_{x \rightarrow -\infty} f(x) + \lim_{x \rightarrow -\infty} f(x)$$

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$$\lim_{x \rightarrow -\infty} f(x) = 3$$

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$$\lim_{x \rightarrow -\infty} f(x) = 3$$

$$\lim_{x \rightarrow -\infty}$$

Derivatives of Exponential #'s

$$\frac{d}{dx} e^{x} = e^{x}$$

$$\frac{d}{dx} e^{f(x)} = e^{f(x)} \cdot f'(x)$$

$$\frac{d}{dx} = b^{x} | hb \qquad d \qquad b^{f(x)} = b^{f(x)} | hb \qquad f(x)$$

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