\$2.6 limits AT Infinity

lim f(x) = L vs. $\lim_{x \to a} f(x) = a$

limit at infinity

infinite limit

(\$2.3)

$$\frac{Ex}{x \to 20} \frac{\sin \frac{5x + \sin x}{1 + x}}{f(x)} = 5$$

$$\frac{x}{f(x)} \frac{100}{4.94} \frac{10000}{4.99994}$$

$$\frac{x}{f(x)} \frac{100}{4.94} \frac{10000}{4.99994}$$

If extra time

· lim x²-x compaulto lim x²-x X -> 20 x-700

compared to lim $(\sqrt{x^2+2x} - \sqrt{x^2+5x})$