

$$\frac{\text{Special Limits}}{\lim_{X \to 0} \frac{\sin(nx)}{nx}} = 1.$$

$$\lim_{X \to 0} \frac{\sin(nx)}{nx} = 1.$$

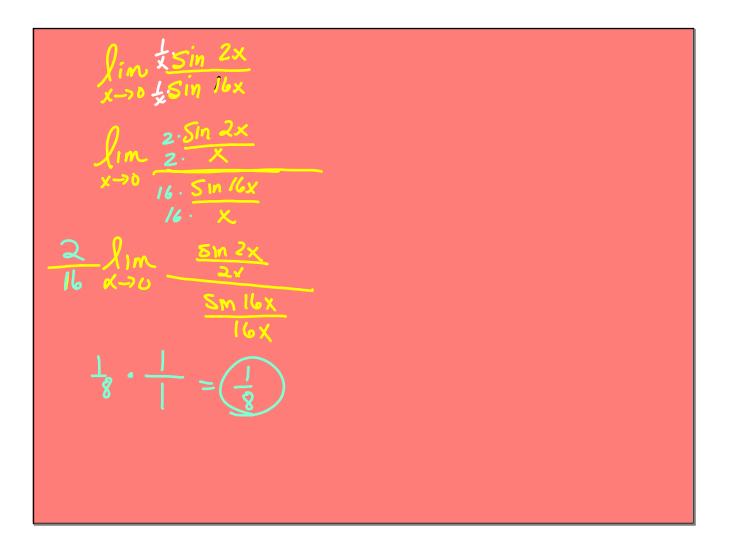
$$\lim_{X \to 0} \frac{\sin(5x)}{nx} = 0$$

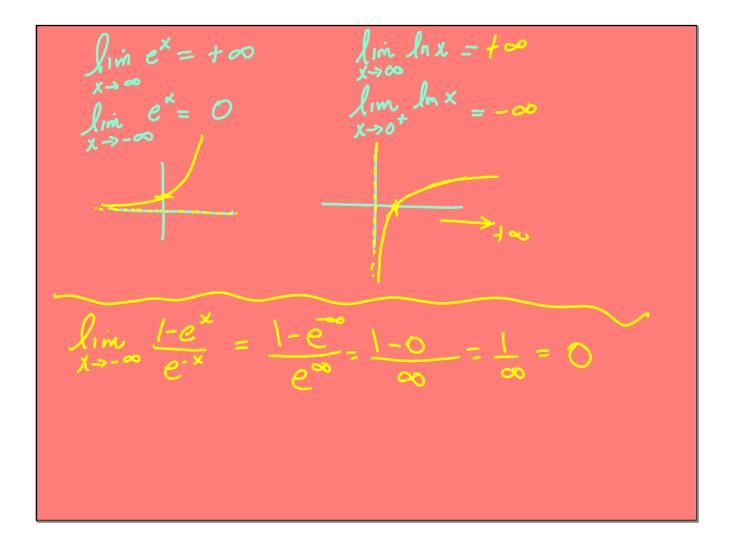
$$\lim_{X \to 0} \frac{1-\cos(nx)}{nx} = 0$$

$$\lim_{X \to 0} \frac{1-\cos(nx)}{nx} = 0$$

$$\lim_{X \to 0} \frac{1-\cos(2x)}{12x}$$

$$= \frac{1}{2} \cdot 1$$





lim + ln (I-tanx) Im Sec X = Sec 1 = la Sec X = Sec T lim = In (1-X-> 01 00 im <u>Sin (2πx)</u> $= \frac{\cos^2\left(\frac{1}{2}\right)}{\sin\left(\frac{2\pi}{2}\right)}$ T's π 0 00