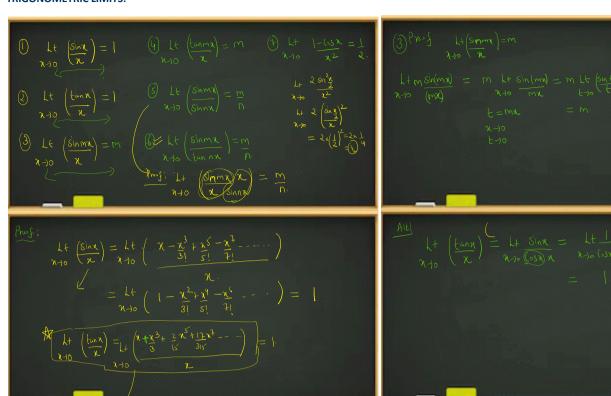
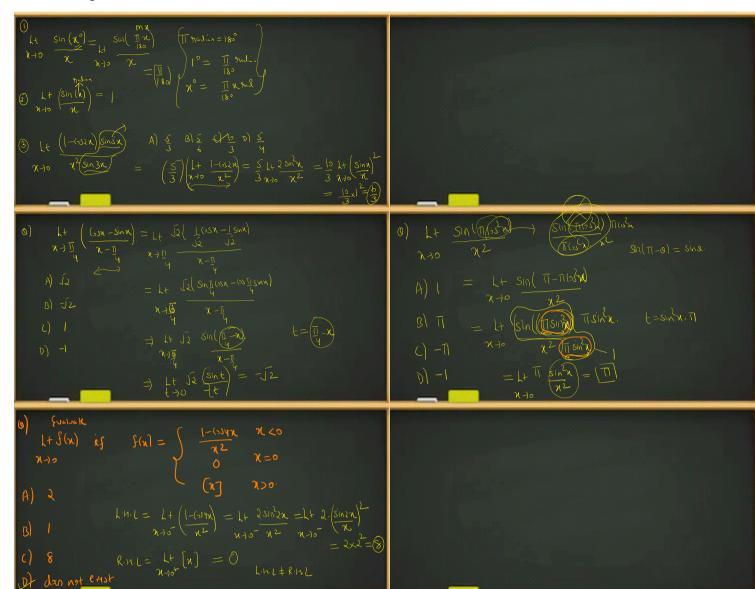
TRIGONOMETRIC LIMITS:



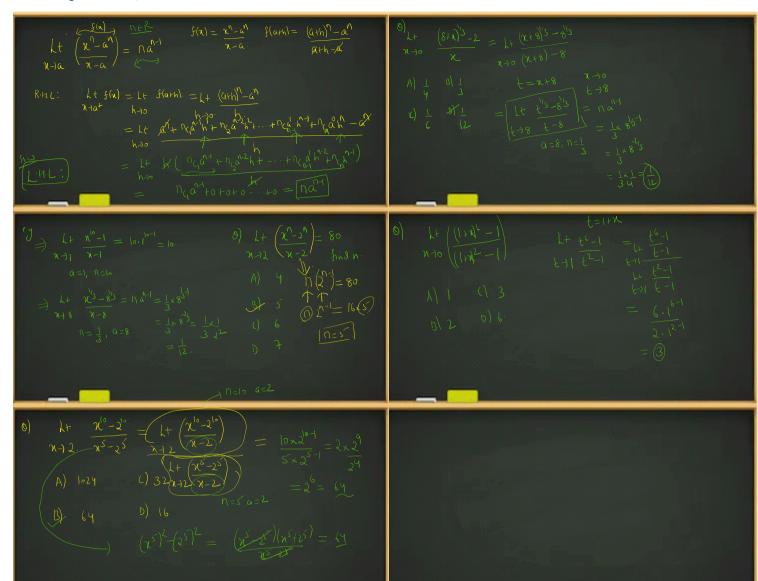
(1)
$$\begin{array}{c} \lambda + \left(\frac{1 - (s_5 \chi)}{\chi}\right) = \lambda + \frac{2 \sin^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi^3}{\chi} = 0 \\ 2 + \frac{1 - (s_5 \chi)}{\chi^2} = 1 + 2 \frac{(s_5 \chi)^3 \chi^3}{\chi} = 0 \\ 3 + \frac{1 - (s_5 \chi)}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + \frac{1 - (s_5 \chi)}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + \frac{1 - (s_5 \chi)}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi^3} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 1 + 2 \frac{(s_5 \chi)^3 \chi}{\chi} = 0 \\ 3 + 2 \frac{(s_5 \chi)^3 \chi}$$

6)
Lt
$$\left(\frac{\tan x - \sin x}{x^3}\right) = \frac{1}{2}$$
 $\Rightarrow \begin{cases} \text{lt } \frac{\sin x}{x^3} \left(\frac{1 - (\cos x)}{x^3}\right) \\ \text{x } \Rightarrow 0 \end{cases}$
 $\Rightarrow \begin{cases} \text{lt } \frac{(\sin x)}{x^3} \left(\frac{1 - (\cos x)}{x^2}\right) \\ \text{x } \Rightarrow 0 \end{cases}$
 $\Rightarrow \begin{cases} \text{lt } \frac{(\sin x)}{x} \left(\frac{1 - (\cos x)}{x^2}\right) \\ \text{x } \Rightarrow 0 \end{cases}$
 $\Rightarrow \begin{cases} \text{lt } \frac{1 - (\cos x)}{x^2} \\ \text{x } \Rightarrow 0 \end{cases}$
 $\Rightarrow \begin{cases} \text{lt } \frac{1 - (\cos x)}{x^2} \\ \text{x } \Rightarrow 0 \end{cases}$

Problems on Trigonometric Limits:



Standard Algebraic Limits;



EXPONENTIAL AND LOGARITHM LIMITS:



