8:31 AM

* Questions

To show that limit doesn't emist:

- Use rough estimates
- Use graph
- show that the lest limit and the right limit don't agree or one of them doesn't emist.

Er

Sin 2

 $\sin \frac{1}{\lambda} = 1 \quad \text{if} \quad \frac{1}{\lambda} = \frac{10}{2} + k2\pi \quad \iff \lambda = \frac{1}{\frac{\pi}{2} + k2\pi}$

 $\sin \frac{1}{n} = 0$ if $\frac{1}{n} = \pi + k2\pi$ $\longrightarrow n = \frac{1}{\pi + k2\pi}$