$\frac{1}{1} \lim_{x \to \infty} x^2 \cdot e^{-x} = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty} \frac{x^2}{e^x} = \left[\frac{\omega}{\omega} \right] = \lim_{x \to \infty}$ =[=]= 1im == 0 N 7320 1im (1 - sinx) = 1im sinx-x - [8] = = lim Sinx+(X-COSX - X+0 COSX+COSX-X-Sin 0/2 =0 $\lim_{\substack{x \to \infty \\ x \to \infty}} x \cdot (e^{\frac{1}{x}}) = [\infty \cdot 0] = \lim_{\substack{x \to \infty \\ x \to \infty}} e^{\frac{1}{x}} \cdot (e^{\frac{1}{x}}) - 0 - e^{\frac{1}{x}} = 1$

