Lecture 23

Tuesday, February 21, 2023 11:55 AM

* Question ....

More practice with the L'Hospital rule

$\lim_{x\to\infty} x^3 e^{-x^2}$

$\lim_{x\to\frac{\pi}{2}} \frac{\cos x}{1-\sin x}$

$\lim_{x\to\infty} (x - \ln x)$

$\lim_{x\to 1} x^{\frac{1}{1-x}}$

$\lim_{x\to 0} \sin x \ln x$

$\lim_{x\to\infty} \left(x - x^2 \ln\left(\frac{1+x}{x}\right)\right)$

$\lim_{x\to 0} \frac{5^x - 4^x}{3^x - 2^x}$