

L'Hospital's Rule



Question

Which of the following limits are *not* indeterminate?
(There is more than one correct answer)

A. $\lim_{x \rightarrow \infty} \frac{\arctan(x)}{x}$

C. $\lim_{x \rightarrow 0^+} x \ln(x)$

B. $\lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x$

D. $\lim_{x \rightarrow \infty} \frac{x}{e^{-x}}$