

# L'Hopital Homework

## MATH 9C

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1.  $\lim_{x \rightarrow 0^+} x \ln x$ .
2.  $\lim_{x \rightarrow 0} \frac{e^x - x - 1}{x}$ .
3.  $\lim_{x \rightarrow 0^+} x^x$ .
4.  $\lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x$ .