

Friday August 30

Give some examples of equations where L'Hopital's rule needs to be applied more

than once.

$\lim_{x \rightarrow 0} \frac{x^2}{x^3}$	$\lim_{x \rightarrow 0} \frac{\ln x}{\frac{1}{x}}$
$\lim_{x \rightarrow \infty} \frac{x+1}{x^2}$	$\lim_{x \rightarrow 0} \frac{x^5}{e^x - 1}$

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Students will verbally explain how to compare the growth rates of different functions

(using the words:
limit, infinity, L'Hopital's Rule...)