

Name: \_\_\_\_\_

April 9, 2015

1. Use L'Hôpital's rule to find the limits. Please show your work.

(a)  $\lim_{x \rightarrow 0} \frac{e^x - 1 - x}{x^2} =$

(b)  $\lim_{x \rightarrow \infty} x(e^{1/x} - 1) =$

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1. Use L'Hôpital's rule to find the limits. Please show your work.

(a)  $\lim_{x \rightarrow \infty} \frac{\ln x}{\sqrt{x}} =$

(b)  $\lim_{x \rightarrow 0} x \csc(x) =$