

Math 2250 Quiz 9

Name _____

Points will be deducted for untidy or disorganized answers

1. (5 points) Evaluate the following limits (be sure to justify your answer).

(a) $\lim_{x \rightarrow \infty} x^{1/x}$

(b) $\lim_{x \rightarrow 0^+} \frac{\ln x}{\sqrt{x}}$

(c) $\lim_{x \rightarrow -\infty} xe^x$

(d) $\lim_{x \rightarrow (\pi/2)^-} (\sec x - \tan x)$