

3450:221 Calculus, Kreider

Name: _____

Quiz 14, section 4.4

1. (2 pts) Evaluate $L = \lim_{x \rightarrow 0} \frac{e^x - e^{-x}}{\sin x}$

2. (2 pts) Evaluate $L = \lim_{x \rightarrow \infty} \left(1 + \frac{2}{x}\right)^x$

3. (2 pts) Evaluate $L = \lim_{x \rightarrow \infty} \sqrt{x}e^{-x}$

4. (2 pts) Evaluate $L = \lim_{x \rightarrow 0^+} x^x$

5. (2 pts) Evaluate $\lim_{x \rightarrow \infty} \frac{e^x}{\sinh x}$