

Quiz 3

Student's name: _____

Math 0220 (evening) Spring 2011

TA's name: _____

1. [5 points] Use linear approximation to estimate $(8.06)^{2/3}$.

2. [5 points] Find the limit, finite or infinite $\lim_{x \rightarrow -\infty} e^{-x^2}$.

3. [5 points] If $h(x) = e^x + 2x + 7$ find $h^{-1}(8)$.

bonus problem [5 points extra] Evaluate the limit $\lim_{x \rightarrow 2^+} e^{3/(2-x)}$.