NAME:		
INALVILL.		

Quiz 3 - MAC 2311, Fall 2015

To receive credit you MUST SHOW ALL YOUR WORK. Answers which are not supported by work will not be considered.

- 1. (2 pts) Circle True or False? No justification needed.
- (a) ∞^{∞} is an indeterminate limit form (exceptional case) . True False
- (b) 0^0 is an indeterminate limit form (exceptional case) . True False
- 2. (5 pts) Use an appropriate linear approximation to estimate $\sqrt[3]{7.94}$. Be sure to specify the function and the point you are using.

3. (5 pts) Compute the limit: $\lim_{x\to 0} \frac{1 - e^{-3x^2}}{\sin^2 x}$