

Quiz 6 Calculus 1 3/22/2006

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Evaluate $\lim_{x \rightarrow 0^+} \sqrt{x} \ln x$.

2. Evaluate $\lim_{x \rightarrow 0} \frac{\sin x}{e^x}$.

3. Evaluate $\lim_{x \rightarrow 1} \frac{1 - x + \ln x}{\sin \pi x}$.