

Math 182

Quiz 10

Name: _____

October 15, 2004

Show all work for credit.

1. Determine if $\int_0^{\infty} \frac{e^x}{1 + e^{2x}} dx$ converges or diverges.

2. Find the arclength of $f(x) = \ln x$ over $1 \leq x \leq \sqrt{3}$.