Math 102, Fall 2006
Quiz 6

Name:

You have 20 minutes to do this quiz. You may not use any books or notes while you do the quiz nor discuss the quiz with anyone. You may not use your calculator. Show your work clearly.

1. Determine if the following integral converges or diverges. Justify your result.

\[ \int_1^\infty \frac{\sin^2(x)}{e^x + x} \, dx \]

Self evaluation: (Circle) Rate your level of understanding of the material on the quiz:

Mastery    Tentative    Unsure