MAT 142
Quiz #2

February 10, 2005

Intructions: You have 15 minuntes for this quiz. You may not use any books, notes, or calculators. Justify every statement that you make. If you wish to use a theorem proved in class, state the theorem precisely. Good luck.

Compute each of the following:

1. $\displaystyle\int \frac{e^x + 1}{e^{2x}}\, dx$

2. $\displaystyle\int \ln \sqrt{x}\, dx$

3. $\displaystyle\int \sin \sqrt{x}\, dx$