Quiz 3 - MAC 2312   Fall 2013   **NAME:** _____

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

1. Compute each of the following (4 pts each):

(a) $\displaystyle \int \frac{e^x}{\sqrt{1-e^{2x}}}\,dx$

(b) $\displaystyle \int_0^{\pi/2} \sin^3 x \cos^2 x\,dx$

(c) $\displaystyle \int x^3 \ln x\,dx$