

**MATH 234 AL1 QUIZ #9**

TUESDAY, NOVEMBER 6TH, 2007, 8AM

Name: \_\_\_\_\_

**Show all work for full credit.**

**Problem 1.** (3 pts each) Calculate the following antiderivatives.

(1)  $\int (e^x - \frac{1}{x^2}) dx$

(2)  $\int (x^2 + \frac{1}{x}) dx$

(3)  $\int (e^t + 1)^2 dt$

(4)  $\int \frac{(\ln x)^2}{x} dx$