

### 236 Quiz 3

February 8, 2011

Name \_\_\_\_\_

By printing my name I pledge to uphold the Honor Code.

*Work individually. You may use your Notebooks but no loose papers, photocopies, books, calculators, cell phones, or other resources.*

Choose two of the three to integrate. Put one calculation in each region below. Do scrap work on a different page but on this page be sure to show all final work and put a box around your final answer.

$$\int \frac{1}{e^x \sqrt{9 + e^{2x}}} dx \quad \int \sec^3 x dx \quad \int \frac{3x^2 + 6}{(x + 1)(x^2 - x + 1)} dx$$

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FIRST INTEGRAL:

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SECOND INTEGRAL:

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