

Math 231 Section A1  
Quiz 1  
June 14, 2007

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

Compute the following antiderivatives.

1)

$$\int x \sec^2(x) dx$$

2)

$$\int \frac{1}{\sqrt{x} + x} dx$$

Extra Credit:

$$\int \cot^{-1}(x) dx$$