

Math 231 Section A1
Quiz 2
June 19, 2007

Name: _____

Compute the following antiderivatives.

1) (5 points)

$$\int \tan^3(x) \sec^2(x) \, dx$$

2) (5 points)

$$\int \sin(x) \cos^{1,000,000}(x) \, dx$$

3)

$$\int \frac{x^2}{\sqrt{4-x^2}} dx$$

Extra Credit:

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