

MthU242  
Northeastern University  
Quiz #1  
20 Minutes

Calculus II  
Professor Gilmore  
Jan. 11, 2007

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

Show All Your Work

1. Calculate the following indefinite integrals:

a.  $\int x(4x^2 - 13)^{13} dx$

b.  $\int e^{\cos x} \cdot \sin x dx$

2. Calculate the following integrals:

a.  $\int \frac{x}{1 + 9x^2} dx$

b.  $\int \frac{3x^2 + 3}{3x + x^3} dx$

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