

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.  $\int \left( \frac{2}{3}x - 13 \right)^5 dx$

b.  $\int 5xe^{(7x^2 - 7)} dx$

2. Calculate the following integrals:

a.  $\int x \sec^2(3x^2) dx$

b.  $\int \frac{\cos x}{\sin x} dx$

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