

MATH 1270 Sec 005, 007  
CALCULUS FOR THE BUSINESS WITH APPLICATIONS II  
QUIZ 3  
February 16, 2011

Name (Last, First) \_\_\_\_\_

1. Evaluate the indefinite integral.

$$\int (5x + 2) dx$$

$$\int 5x dx + \int 2 dx$$

$$5 \int x dx + 2 \int dx$$

$$\frac{5x^2}{2} + 2x + C$$

2. Evaluate the indefinite integral.

$$\int (2e^{3x} + 3x^2) dx$$

$$2 \int e^{3x} dx + 3 \int x^2 dx$$

$$\frac{2e^{3x}}{3} + \frac{3x^3}{3} + C$$

$$\frac{2e^{3x}}{3} + x^3 + C$$