

# INTRODUCTION TO CALCULUS

MATH 1A

UNIT 28: WORKSHEET

## Substitution

Problem 1:

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

Problem 2:

$$\int \frac{1}{(x+8)^5} dx$$

Problem 3:

$$\int \frac{x}{(1+x^2)} dx$$

Problem 4:

$$\int \frac{\log(5x)}{x} dx$$

Problem 5:

$$\int \frac{e^x}{(e^x + 5)^2} dx$$