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:

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