

Quiz #11**Name:** _____**StudentID:** _____**Major:** _____**Time:** 20 minutes.

Justify your solutions and show all your steps. Write down formulae used. Make sure to look on the back side of this sheet.

1. Evaluate the integral:

$$\int_1^2 \frac{5dx}{x^3}.$$

2. Evaluate the integral:

$$\int_2^2 (x^3 + 4x)^{-6}.$$

3. Evaluate the integral: $\int x e^{2x} dx$.