

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 101 (163) Sec 08 - Quiz 4

Name:

ID:

Serial No.:

1. Evaluate $\int \frac{dx}{(25 - x^2)^{3/2}}$

2. Find $\int \frac{dx}{x^3 + x}$

Determine whether the integral $\int_{-\infty}^0 x e^{-x^2} dx$ is convergent or divergent. If it is convergent, find its value