

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 102 Quiz 3

Name : ID #..... Serial #: Section#.....

Duration: 14 minutes

Question:

1. Evaluate the definite integral

$$\int_{-3}^3 \frac{\tan x}{1 + x^2 + \cosh x} dx.$$

2. Evaluate the indefinite integral

$$\int \frac{\sec^2 x}{1 + \tan^2 x} dx.$$