

King Fahd University of Petroleum and Minerals
Department of Mathematics & Statistics
Math102.14
Semester 111
Quiz (3)

Name:

ID #:

Serial #:

Evaluate **four** out of the following six integrals (circle your choice):

1. $\int 2x \tan^{-1} x \, dx$

2. $\int \cot^3 x \csc^3 x \, dx$

3. $\int_0^3 \frac{1}{x-1} \, dx$

4. $\int \frac{4x^2 - 3x + 2}{4x^2 - 4x + 3} \, dx$

5. $\int x \sec x \tan x \, dx$

6. $\int \frac{1}{\sqrt{x^2 - 4x}} \, dx$

Good luck
Khaled Al-Anezy