

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Math 102.07 Quiz IIIA Fall 2004 (041)

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Find $\int \frac{\sin 2t}{1 + \sin^2 t} dt$.

2. Evaluate $\int \sin x \cos(\cos x) dx$.

3. Evaluate $\int \frac{dx}{\sqrt{e^{2x} - 1}}$.

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1. Evaluate $\int \frac{x+2}{\sqrt{4x^2+16x}} dx$.

2. Find $\int \tan x \ln(\cos x) dx$.

3. Evaluate $\int \frac{dx}{x\sqrt{x^4-1}}$.