

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Math 102.09 & 14 Quiz I Second Semester (052)

ID #: _____ NAME: _____

Serial # _____ Section #: _____

1. Evaluate $\int (x - 2)\sqrt{4x^2 - 16} dx$.

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

3. Find the sum of odd integers in the set $\{1, 2, 3, \dots, 100\}$.

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1. Find $\int (\sin x - \cos x) e^{\sin x + \cos x} dx$.

2. Find $\int \frac{dx}{x \ln \sqrt{x}}$.

3. Find $\int \left(\sqrt{x} + \frac{1}{\sqrt{x}} \right)^2 dx$.