

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 102.12 Quiz # 1

Name: _____ I.D. # _____ Sr. # _____

Evaluate $\int \frac{\sec^2(e^{\sqrt{x}})}{\sqrt{x} e^{-\sqrt{x}}} dx$.

Find $f(x)$ if $\int_0^x f(t) dt = x^2 - 2x + 1$.

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(Semester 142) Math 102.14 Quiz # 1

Name: _____ I.D. # _____ Sr. # _____

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

Find $f(4)$ if $\int_0^x f(t) dt = x \cos \pi x$.