

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 102.12 Quiz # 3

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

1. Evaluate $\int_{\ln 10}^0 \sinh^2\left(\frac{x}{2}\right) dx$.

2. Evaluate $\int 2x^3 \sec^2(x^2) dx$.

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 142) Math 102.14 Quiz # 3

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

1. Evaluate $\int_0^{\ln(\frac{1}{2})} \cosh^2\left(\frac{x}{2}\right) dx$.

2. Evaluate $\int 2x^3 \csc^2(x^2) dx$.