King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 102 - Quiz 2

Name:
Student ID #:

Question 1. Evaluate the definite integral $\int_0^2 x^2 \sin(x^3) dx$.

Question 2. Evaluate the indefinite integral $\int \dfrac{x^2}{\sqrt{x+1}} dx$.

QUESTION 3 IS ON THE BACK OF THE PAGE.

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Question 3. Find the total distance travelled by the particle that moves on a straight line by the velocity $v(t) = t^2 - 2t - 8$ on the time interval $2 \le t \le 5$.