

**KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**  
**MATH 102 - QUIZ 3**

Name:

Student ID #:

**Question 1.** Evaluate the integral  $\int \ln(\cosh(2x) - 1) \cosh(x) dx$ .

**Question 2.** Evaluate the  $\int (\ln x)^2 dx$ .

**Your Solution.**