

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 102 - QUIZ 4

Name:

Student ID #:

Question 1. Find the partial fraction decomposition of the following rational function without calculating the coefficients

$$\frac{1}{x^6 - 1}.$$

Question 2. Evaluate the integral:

$$\int \frac{1}{3 - 4 \tan(x)} dx.$$

Your Solution.