KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS DEPARTMENT OF MATHEMATICS AND STATISTICS MAT 260 - 2 QUIZ 2

Name:

Student ID #:

Question. Solve the differential equation

$$\frac{\mathrm{d}y}{\mathrm{d}x} + \frac{y}{x} = x^2 y^3 \tan x \ln(\cos x).$$

Your Solution.