

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 260 - QUIZ 3

Name:

Student ID #:

Question 1. Find a particular solution of $y'' - 4y' + 4y = (x + 1)e^{2x}$ without calculating the coefficients.

Question 2. Using the method of variation of parameters, find a general solution of $y'' + 9y = \csc(3x)$.

Your Solution.