

King Fahd University of Petroleum and Minerals  
Department of Mathematics and Statistics  
Math 260 (141) Sec 02 - Quiz 2

Name:

ID:

Serial No.:

1. Find the general solution of the DE

$$y'' - 5y' + 6y = e^{3x} + 2x$$

2. Determine the form of a particular solution of

$$y'' + 9y = x \cos 3x$$

3. Determine the general solution to

$$y'' + 4y = \tan 2x$$