

King Fahd University of Petroleum and Minerals  
Department of Mathematics and Statistics  
Math 202 (112) - Quiz 4

Name: \_\_\_\_\_ ID: \_\_\_\_\_ Serial No.: \_\_\_\_\_

1. ) Find a linear differential operator that annihilates the function

$$8e^{3x} \sin x + xe^{-x/3} + x - 2$$

2. Solve the DE

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