

King Fahd University of Petroleum and Minerals  
Department of Mathematics and Statistics  
Math 202-02 Quiz #4

Name:.....ID:.....

**Exercise:**

- (i) Find the general solution of the differential equation

$$y'' - 5y' + 6y = 6x + 1$$

- (ii) Find an annihilator for

$$f(x) = xe^{-3x} + 3\cos^2(3x)$$