King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 202-16   Quiz #4
Name:...ID:...........................

Exercise:

(i) Find the general solution of the differential equation

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

(ii) Find an annihilator for

$$f(x) = x\sin^2(3x) + 8x^2 e^x$$