Quiz No: 4 (POP) Math202

Name:_____ID_____Section _____

Q1. Find annihilators of the following functions:

(a) $e^x + e^{-x}$

(b) $x\cos x$

(3): Find function(s) that are annihilated by the operator $D^2 - 2D + 2$

(4): Use method of undetermined coefficients to solve $y''' + y' = x^3$ where solutions of the associated homogeneous equation are $\{1, \cos x, \sin x\}$.

Q5. Use the variation of parameter method to solve $y'' + y' = \tan x$.