Differential Equations
(FALL 2016)
Assignment (4)

Solve the following DE's:

Find the general solution of the following D.E's:

1. $y'' - 4y' + 3y = 0$
2. $y'' - 81y = 0$
3. $y'' + 9y = 0$
4. $y'' + 2y' + 2y = 0$
5. $y''' + 4y'' + 4y' = 0$
6. $y'' + 6y' + 9y = 0$
7. $y'' + 4y = \sec 2x$
8. $y'' + y = \sec x \tan x$
9. $y'' - 2y' + y = \dfrac{e^x}{x}$
10. $y'' + 9y = \cos ec 3x$
11. $y'' + 2y' + y = \dfrac{e^{-x}}{x^2}$