Math 2080: Differential Equations
Worksheet 3.3: The method of undetermined coefficients

NAME:

Find the general solution to the following 2nd order differential equations.

1. $y'' + 2y' - 3y = 0$

2. $y'' + 2y' - 3y = e^{3t}$

3. $y'' + 2y' - 3y = 2t^2$

4. $y'' + 2y' - 3y = 5\sin 3t$

5. $y'' + 2y' - 3y = e^{2t}$