

NAME:

Home Work 6.  
MAP 2302 - Differential Equations

Solve the following ODE:

1.  $y'' + y' - 6y = 0$

2.  $y''' - y'' - 4y' + 4y = 0$

3.  $y''' + 2y'' - 5y' - 6y = 0$

4.  $y'' - 2y' - 3y = 0; y(0) = 0; y'(0) = -4$

5.  $y'' - 2y' + y = 0$

6.  $y''' - 3y'' + 3y' - y = 0$

7.  $y'''' + 6y''' + 5y'' - 24y' - 36y = 0$