

Section:

Ser. #:

Matlab Assignment # 2

- Go through the help sheet before attempting the assignment.
 - For each question
 - write the MATLAB commands for finding the roots of characteristic equation
 - use roots to write the general solution of ODE
1. Solve $y''' - 3y'' + 3y' - y = 0$.

Use Matlab to find roots of the characteristic equation.

Answer:

2. Solve $y^{(4)} + 2y'' - y' + 2y = 0$.

Use Matlab to find roots of characteristic equation.

Answer:

3. Solve $2y^{(4)} + 3y''' - 16y'' + 15y' - 4y = 0$.

Use Matlab to find roots of characteristic equation.

Answer:

