Ser. #:

## Matlab Assignment # 2

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

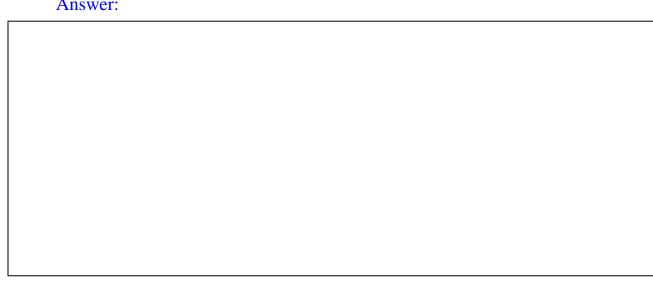
Use Matlab to find roots of the characteristic equation.

Answer:

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

Use Matlab to find roots of characteristic equation.

Answer:



	$2y^{(4)} + 3y''' -$ Matlab to find 1			uation.		
Use Matlab to find roots of characteristic equation.  Answer:						