

EE 202 - Mathematical Techniques in Electrical Engineering

LAB 5

** Find solutions of the following questions in Matlab:

Question 1:

Solve $\frac{dy}{dx} = \frac{y \ln y}{x}$ and $y(2) = e$ from $x = 2$ to $x = 3$ with steps $h = 0.1$

Question 2:

Solve $\frac{dy}{dx} = \sin(x + y) - e^x$ and $y(0) = 4$ from $x = 0$ to $x = 3.2$ with steps $h = 0.1$