

EE 202 - Mathematical Techniques in Electrical Engineering

LAB 6

** Find solutions of the following questions in Matlab:

Question:

Using Runge-Kutta Method of Order 4, solve $\frac{dy}{dx} = \frac{5x^2 - y}{e^{x+y}}$ with $y(0) = 1$ by using step size of $h = 0.1$ for $0 \leq x \leq 1$.