

EE 202 - Mathematical Techniques in Electrical Engineering

LAB 2

** Find solutions of the following questions in Matlab:

Question 1:

Given the data as

i	1	2	3	4	5	6
x	0	0.5	1	1.5	2	2.5
y	0	1.5	3	4.5	6	7.5

Find the curve fitted by a straight line by using least squares. Find the error.

Question 2:

Given the data as $x = [0 \ .5 \ 1 \ 1.5 \ 2 \ 2.5]$, $y = [-0.4326 \ -0.1656 \ 3.1253 \ 4.7877 \ 4.8535 \ 8.6909]$. Find the curve fitted by a straight line by using least squares. Find the error.