

%interpolation. problem1 & 2

close all; clear all; clc;

x = [1 2 4 6];

y = [1 8 64 216];

xn = x(1):0.1:x(end);

yn = linear_interp(x,y,xn);

ynp=polynomial_interp(x,y,xn);

subplot(2,1,1)

plot(x,y,'o',xn,yn,'r');

subplot(2,1,2)

plot(x,y,'o',xn,ynp,'r');