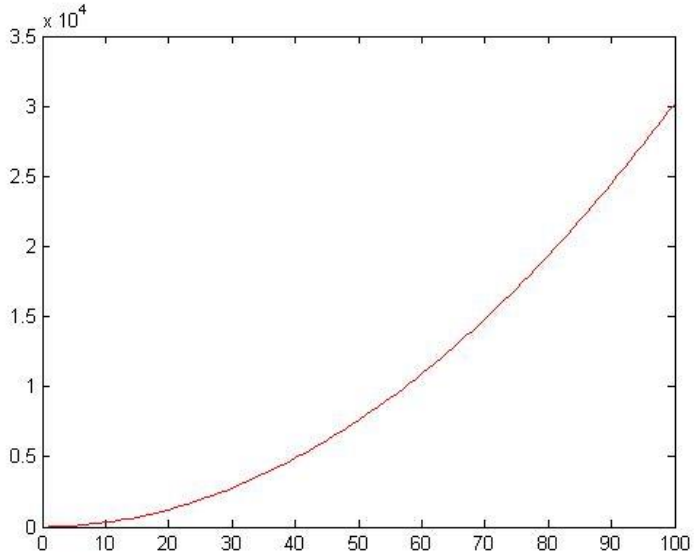
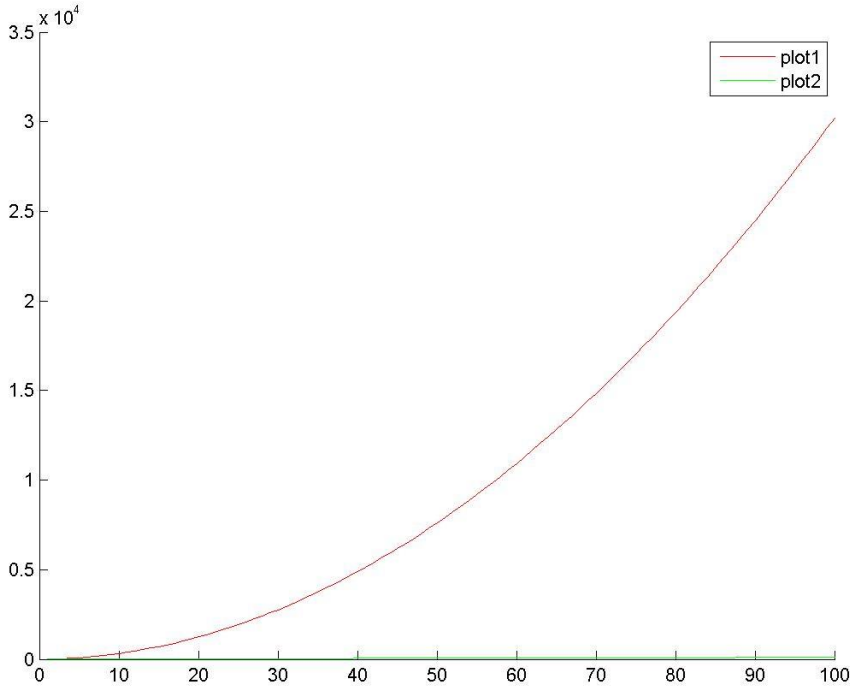
CS-105 Assignment 4

Part I:

1. Plot the equation $y = 3x^2 + 2x + 5$ for x={1,2,3…100) in **red**.
   x=1:100;
   y=3*x.^2+2*x+5;
   plot(x,y,'r');



2. Label the figure 'Graphs of Equations'
   title('Graphs of Equations')
3. Put on the x-axis the label 'x'
   xlabel('x')
4. Put on the y-axis the label 'y'
   ylabel('y')
5. Plot on the **same figure** the equation y=x+8
   y2=x+8;
   figure(1);
   hold on;
   plot(x,y,'r');
   plot(x,y2,'g');
   legend('plot1','plot2');
   hold off;

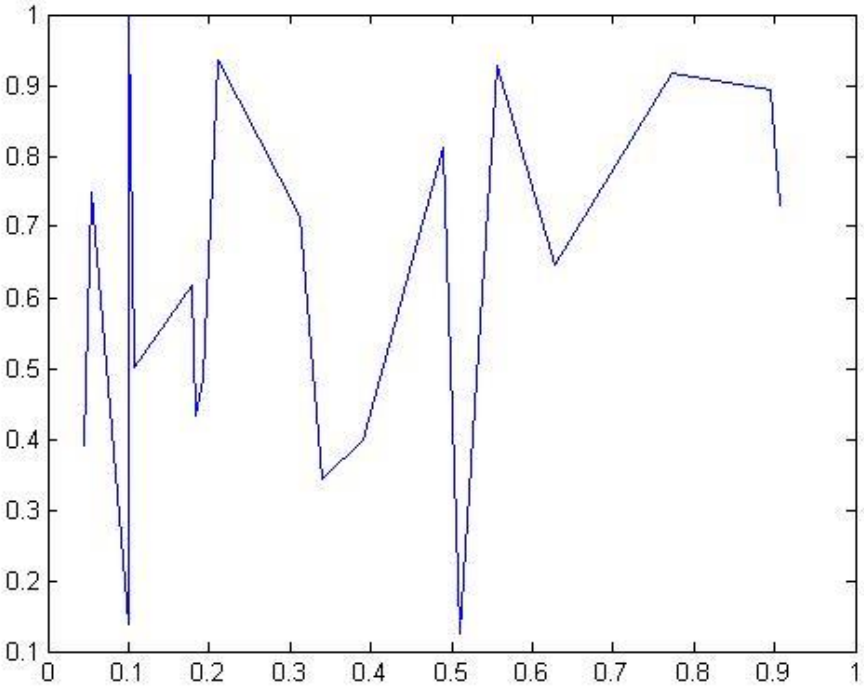


**plot 2 is along the x-axis

6. Provide legends to indicate what each of the graphs are for.
   legend('plot1','plot2');

Part II:

myfirstscript.m



What I learned:

I learned how to create and run a script, and how to plot graphs. Plotting will help me with calculus, and running a script will help me in the future so I do not have to rewrite all of my work for every small change or mistake.