

## MATLAB Assignment #2

### Question1

Solve the following equations

$$x - y = 8 \quad (1)$$

$$x + 5z = 2 \quad (2)$$

$$x + 3y - z = 1 \quad (3)$$

### Question2

consider the following function  $X^2 - x + 3$  find its roots.

### Question 3

Evaluate the summation the following summation for times between **0** and **0.8** seconds at intervals of **0.01** seconds. For  $k = [1,2]$  and plot both figures (t , x) at  $K = 1$  and  $k = 2$  at the same plot using for loop.

$$x(t) = \sum_{k=1}^3 t^{\sqrt{1.2k}} \sqrt{k}$$