Functions

- 1- Write a program that receives the values of A, B and C from a quadratic function and calculates the values of delta, x1 and x2, vx (vertex of x) and vy (vertex of y) using five functions to be printed in the main function.
- 2- Change the previous program to calculate the values of x1 and x2 in a single function called roots. Pass the arguments x1 and x2 by reference.
- 3- Write a program that includes the following operations on a matrix of real numbers: Record data, display data, calculate the sum of the data. The program should be developed using functions to create the menu, record the data and display the data.

Data: delta=B*B-4AC, x1 = (-B+root(delta))/(2*A), x2 = ((-B-root(delta))/(2*A), Vx = -(B/(2*A)) and Vy = -(delta/(4*A))