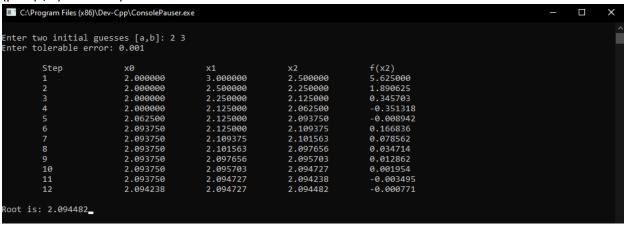
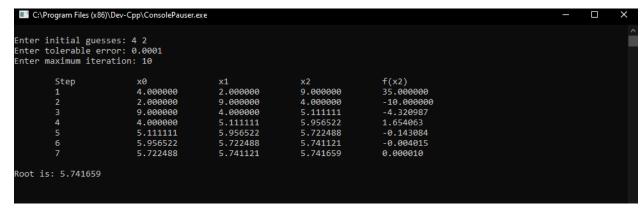
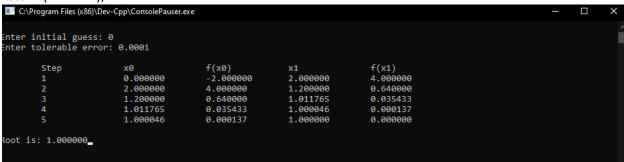
(pow(x, 3) - 2 * x - 5)





return (pow(x, 2) + x - 2);

return (2 * x + 1);



```
C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
                                                                                                                                    Enter initial guess: 0.5
Enter tolerable error: 0.0001
                                     f(x0)
         Step
                  xΘ
                                                        0.495885
                  0.500000
                                     -0.020574
                                                                           -0.003615
                  0.495885
                                     -0.003615
                                                        0.495162
                                                                           -0.000636
                  0.495162
                                     -0.000636
                                                        0.495035
                                                                           -0.000112
                  0.495035
                                     -0.000112
                                                        0.495012
                                                                           -0.000020
Root is 0.495012
```

```
C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
Enter degree of the polynomial X:3
Enter Coefficient of [ X^3 ] : 5
Enter Coefficient of [ X^2 ] : 4
Enter Coefficient of [ X^1 ] : 3
Enter Coefficient of [ X^0 ] : 9
Enter the value of X : 2
Value of the polynomial is = 71.000000
C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
Enter number of data: 4
Enter data:
x[1] = 0
y[1] = 0
x[2] = 1
x[3] = 2
y[3] = 6.3891
x[4] = 3
y[4] = 19.0855
Enter interpolation point: 1.9
Interpolated value at 1.900 is 5.645.
C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
 HOW MANY ELEMENTS? :5
x[0] = 1

y[0] = 3

x[1] = 2

y[1] = 4

x[2] = 3
     1.200000x + 1.600000
(1/(1 + pow(x,2)))
 C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
                                                                                                                                                          Enter lower limit of integration: 0
Enter upper limit of integration: 1
Enter number of sub intervals: 5
Required value of integration is: 0.784
(1/(1 + pow(x,2)))
 C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
Enter lower limit of integration: 0
Enter upper limit of integration: 1
Enter number of sub intervals: 6
Required value of integration is: 0.785_
(1/(1 + pow(x,2)))
 C:\Program Files (x86)\Dev-Cpp\ConsolePauser.exe
                                                                                                                                                          Enter lower limit of integration: -1
Enter upper limit of integration: 1
Enter number of sub intervals: 6
Required value of integration is: 1.569
```