Assignment - 2A

x4.+3x3+10

Iteration-1:

Let n=2 and n=0.01

 $(2.113+61) = 4(2)^3+6(2) = 32+12=44$

As gradient is not near to zero, calculating Step length.

DX = -0,01 * 44

= -0,44

update x=2-0.44= 1.56

Iteration-2!

= 4(1.5) 2+6(1.5)

213.5+9.

= 22.5

 $\Delta x = -0.01 * 22.5 = -0.225$

update n=1.5-0.225=1.275