1) [x,y], n=a1, 8=0.9, epochs=1, m=1, C=-1, E=10

$$g_{c} = -4^{12}$$
5) $E_{m} = (0.9)(0)+(0.1)(-0.94)^{2} = 0.0705$

$$E_{c} = (0.9)(0)+(0.1)(-4.2)^{2} = 1.764$$

6)
$$\Delta m = \frac{-0.1}{\sqrt{0.07110^{-9}}} (-0.94) = 0.317$$

$$\Delta C = -\frac{0.1}{1/1.71+10^{-8}} (-4.1) = 0.322$$

7)
$$m = m + Dm = |+ (0.314) = 0.686$$

 $c = L + Dc = -1 - 0.322 = -1.322$

$$g_{c} = -4.8476$$
11) $Em = 0.9 \times (0.0705) + (0.1) \times (-1.93904)^{2}$

$$= 0.4394$$

$$E_{c} = 0.9 \times (1.764) + (0.1) \times (-4.8474)^{2}$$

$$= 3.9375$$
12) $\Delta m = -0.1$

$$10.439410^{-9} \times (-1.93904) = 0.2925$$

$$\Delta c = -0.1$$

$$11.3.9375410^{-9} \times (-4.8476) = 0.2442$$

$$C = C+\Delta c = -1.09778$$

$$C = C+\Delta c = -1.09778$$
14) $Jomph = Jamph + 1 = 2+1 = 3 > no of samply$
15) $Jomph = 1$
16) $Jomph = 1$
17) $g_{m} = -[3.4 - (0.9785 \times 0.2) + 1.0778) \times 0.2$

$$= 0.85642$$

$$g_{c} = -4.2821$$

19)
$$Em = (0.9) \times (0.4394) + (0.1) \times (-0.8561)^{2}$$
 $EC = (0.9 \times 3.9375) + (0.1) \times (-4.2821)^{2}$
 $EC = (0.9 \times 3.9375) + (0.1) \times (-4.2821)^{2}$
 $EC = (0.9 \times 3.9375) + (0.1) \times (-4.2821)^{2}$
 $EC = (0.9 \times 3.9375) + (0.1) \times (-4.2821)^{2}$
 $EC = -0.1 \times (-4.2821) = 0.05008$
 $EC = -0.2782 = 0.0371 \times (-4.2821) \times (-4.2821) = 0.05008$
 $EC = -0.1 \times (-4.2821) = 0.050$

V 0.71547+10.8 (-1.7132) =0.2023) Ans Dil V6.66.99×10-8 AC= - bil 23) M=m+Dm=1037(+0.20231=1.23941 C=C+AC=-0.97314+0.16565=-0.7274.9 26) Sample = 2+1 = 37 no of samply 27) ilor = iter+1 = 37 no of epochs 28) print (m,c) =) (1.2394 1,-6.72742) 29 Man Square Error mse=1 [(3.4-[1.2394/x0.2 +b.72749))2+ (C318-[1.2394] × 10.4+0.72742))29 - 1 [15-05135 + 16-254B1] mse=7.82654