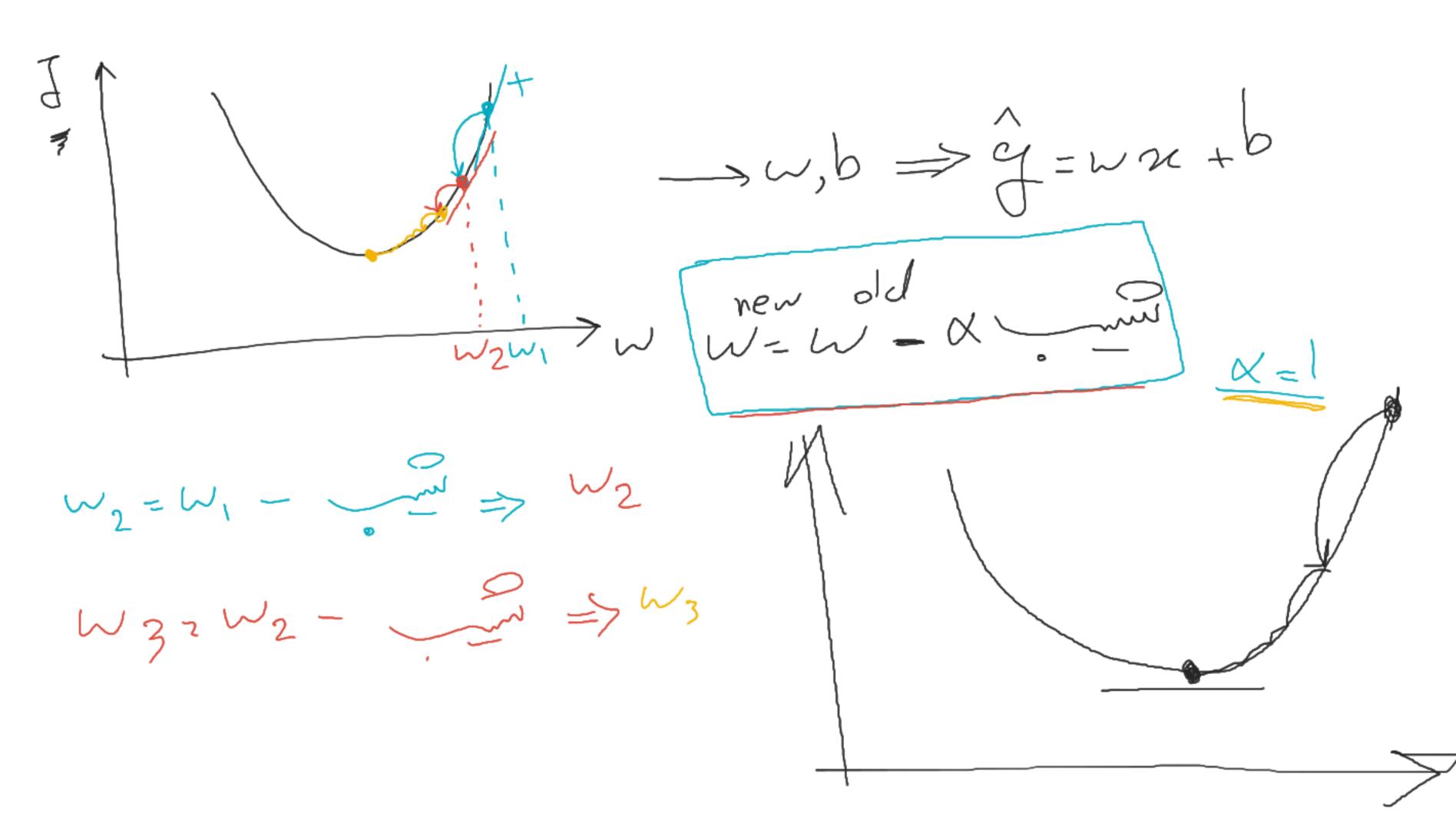
9=Wx+  $J(w,b) = \frac{1}{2m} \sum_{z=1}^{m} (\hat{y} - \hat{y})$ ß



un \_\_\_nun-1 u' 9 - wx +b  $J(w,b) = \frac{1}{2m} \left[ (\hat{y} - \hat{y}) \rightarrow J(\omega,b) - \frac{1}{2m} \left[ (\omega_x + b - \hat{y}) \right] \right]$ when =  $\omega^{\text{old}} - \omega$   $= \omega^{\text{old}} - \omega$   $= \frac{1}{m} \Gamma(\hat{y} - y) \pi$  $-\chi(\hat{y}-\chi) = -\chi(\hat{y}-\chi)$ when = wold - x Im I (y-y)2

20 - PL 1 V575/5/ ---520 ing 1 200 2 410 250 3 450 : 2, 22 200 400 1250 430 i... yzwx+b=>wx+b1 y=w,2e,+w222=+Wollo J= Wo No + W1 N1+ W2 N2+000 + Wn Nn b I = WX

> = W X

(n) ()3 , ing W = [ woow, , ..., , wh]  $W = [w_0, w_1]$ X = [2, 2, ... 21] X = [x0 x1]

when  $= w^{old} - \alpha \frac{\partial \delta}{\partial w}$  |  $w_i^{rew} = w_i^{old} - \alpha \frac{\partial \delta}{\partial w_i}$ when = wold = x 33 wew - wold - d St

$$\frac{33}{3W} = \frac{1}{M} \int_{\hat{y}=1}^{M} (\hat{y}_{2} - \hat{y}_{1}) \chi_{\hat{y}} \times \frac{1}{2} \int_{\hat{y}=1}^{2} (\hat{y}_{2} - \hat{y}_{1}) \chi_{\hat{y}} \times \frac{1}{2} \int_{\hat{y}=1}^{2} (\hat{y}_{2} - \hat{y}_{1}) \chi_{\hat{y}} \times \frac{1}{2} \int_{\hat{y}=1}^{2} (\hat{y}_{1} - \hat{y}_{1}) \chi_{\hat{y}} \times \frac{1}{2} \int_{\hat{y}=$$