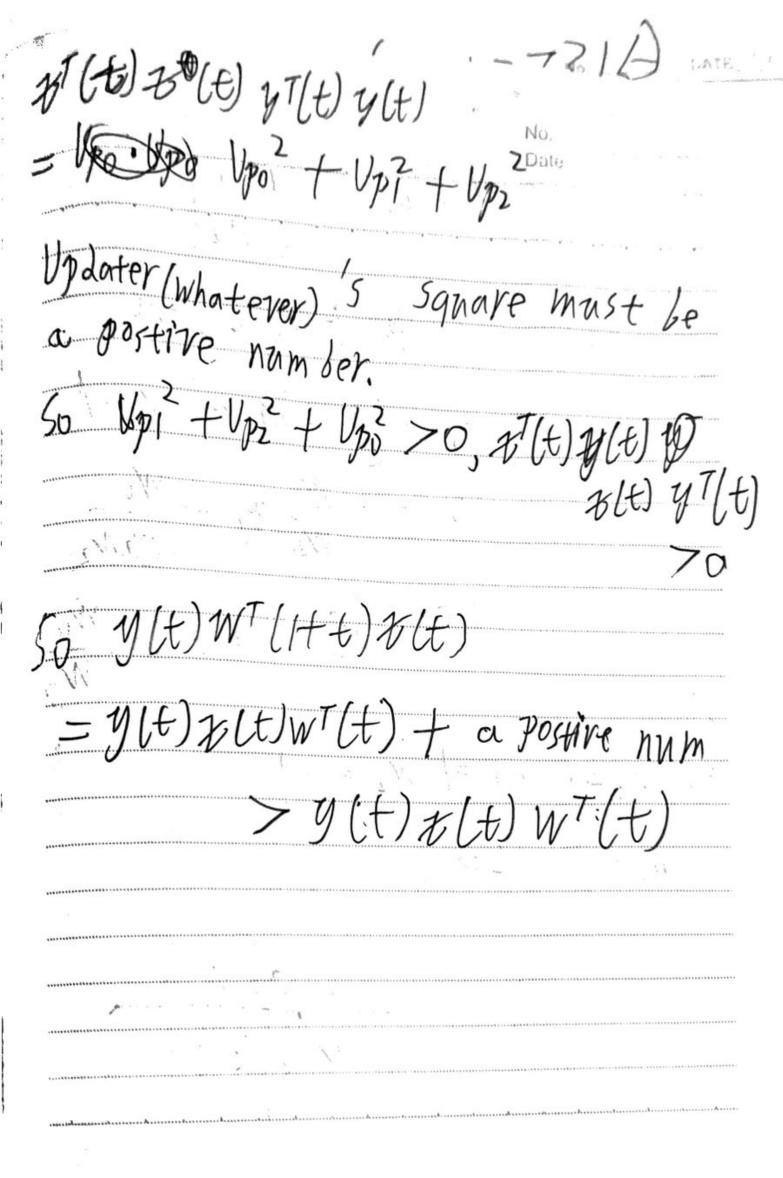
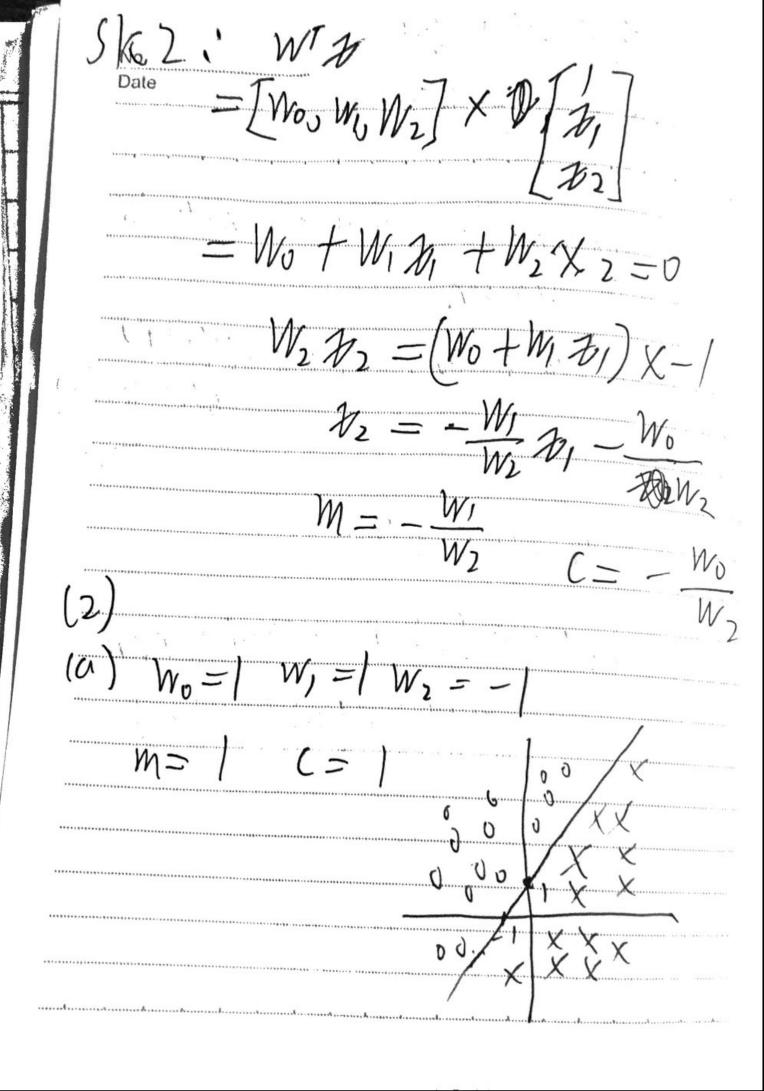


(b) If the data's linearly, separable There will be no error, this means $i \neq y(t) = 1, W^{T}(t) \times (t) > 0$ $W^{T}(t) \times (t) \times y(t) > 0$ if y(t) =-1, wtp(t) 20 WT(+) X(t) * y(t) >0 (c) First of all, in torms of with), it mans
14 must based on some error value that not correct yet. 1(t) w (t+1) 2 (t) $= y(t) (w(t) + y(t)x(t))^{7} + t$ As for W(t) + y(t) 2(t) Because they can do addition, they W(t) and y(t) z(t) must have same

| | No columns and nows so can be write as |
|--------|--|
| | W(t) + y (t) z (t) |
| | Also see additional in Lovenstin (|
| | Surther explination! |
| | So we can write |
| | y(t)(WT(t)+yt(t))T(t)). 2(t) |
| | $=y(t)\mathcal{N}(t)\cdot \mathcal{W}^{t}(t)+y^{t}(t)y(t)z^{t}(t)y(t)$ |
| | The state of the s |
| | A A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |
| | Mased on Jurther Information |
| | $v(t)y(t) = [v_{plater}0]$ |
| | [UPLater] |
| | [Updater2] |
| **** | |
| Ź | 2 (t) yT(t) = [40, Up, Vpz] |
| ****** | L |





X12/1/X22/12/ 'pdater2 Information

Vo.

Wo + Updater 10 Wi + WVpdater 10 Wz + Updater 2 -1)-1W0+V20, W1+V21, W2+V2] + (y(t) \$2(t)) [Wo, W, W2] +