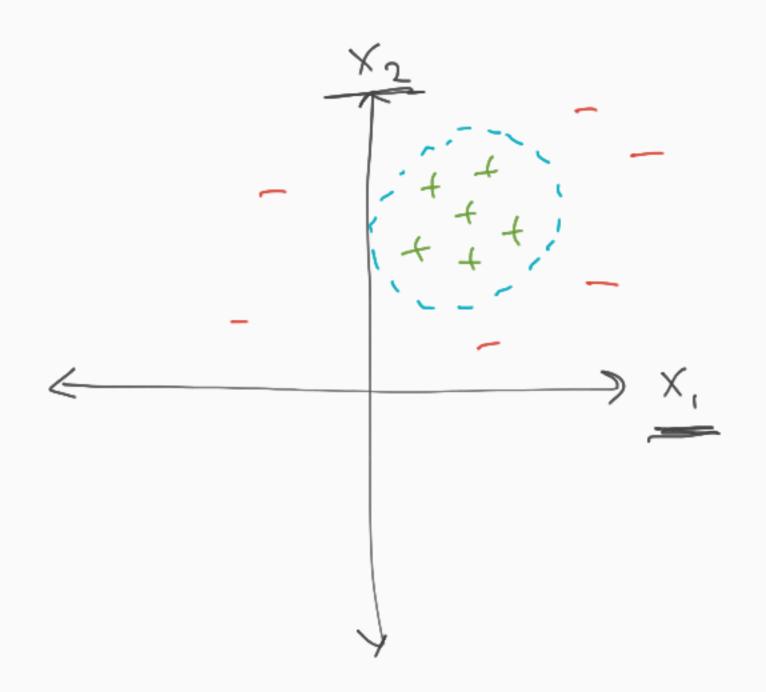
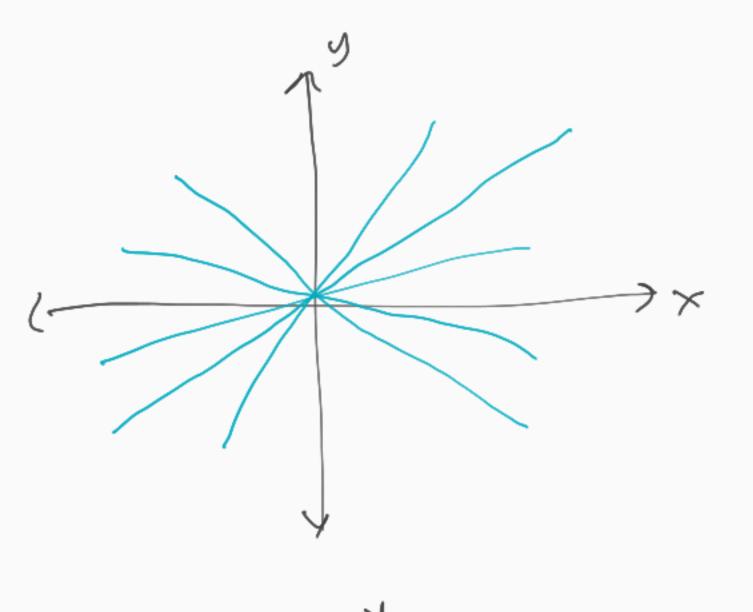
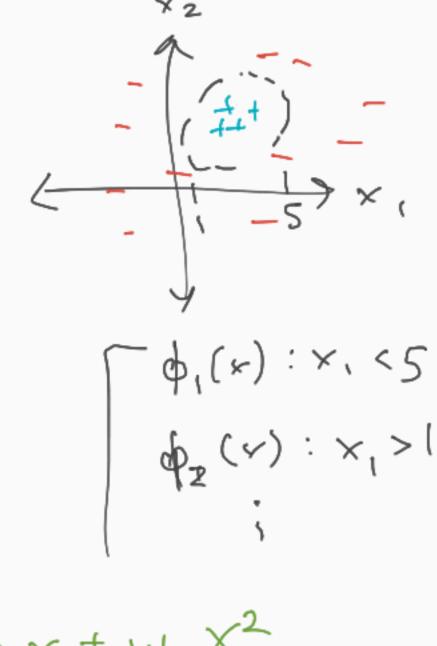
C221: Lecture 3 $\rightarrow (W_1 - Z)^2$ [vss (x,y,~) $\rightarrow (w_1 - 4)^2$ $- > (W_2 - (-1))^2$ Train Loss = 101 ; Loss W. Q(x) = W, q,(x) + W2 d2(x)





$$\phi(x) = x$$

$$f_{w}(x) = w \cdot \phi(x)$$



$$\phi(x) = [x, x^2]$$

SUM WZ=0

$$\phi(x) = [x^2, 1] \qquad \phi(x) = [x, x^2, 1]$$

$$\begin{array}{c} \times_1 \\ \times_1 \\ \end{array}$$

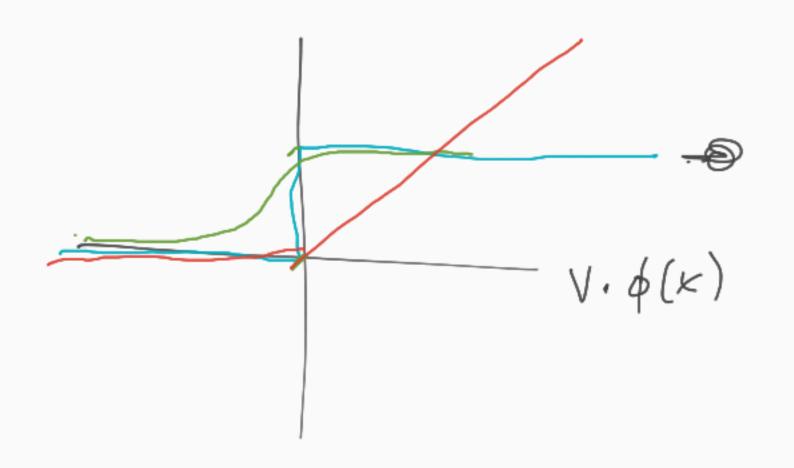
$$h_1 = I(v.\psi(x) \ge 0)$$

$$-1 + x_1 - x_2 \ge 0$$

$$I(x_1 - x_2 \ge 1)$$

$$U = (-1, +1, -1)$$

 $\phi(x) = [1, x_1, x_2]$



$$\max(a, b)$$

$$a \ge b \rightarrow \frac{\partial}{\partial a} = 1$$

$$\frac{\partial}{\partial b} = 0$$

 $a \leq b$

