Homework04

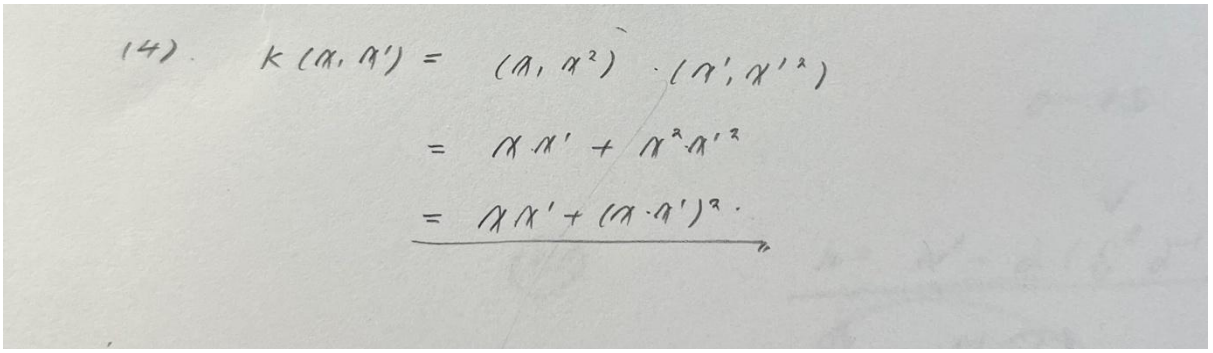
Hwijong Im

Problem01

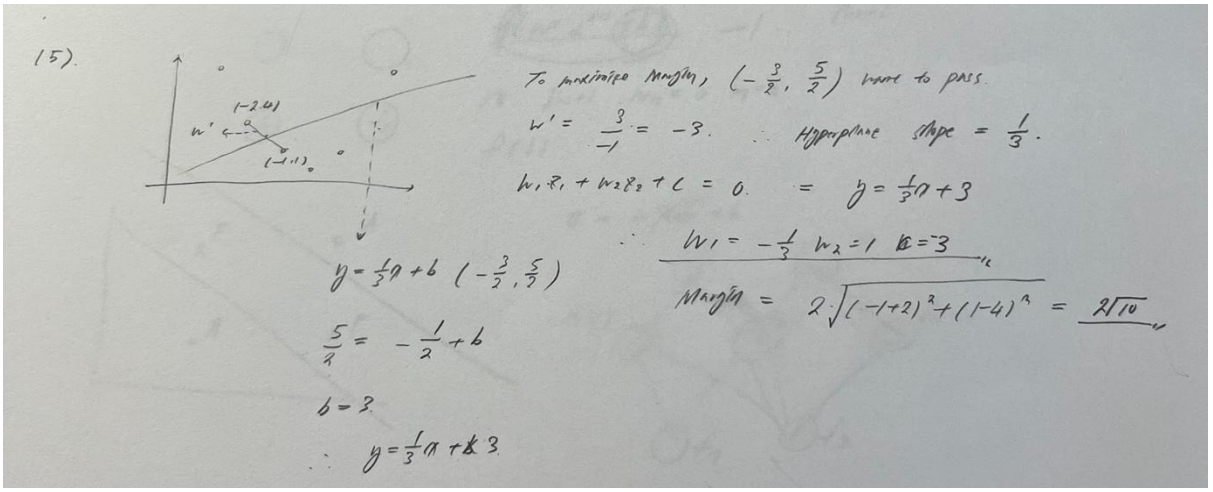
(1). No, if we want to separate the data set, we have to curve the linear classifier or raise the dimension to determine that the data set can be separated.

(3). Yes, there are many available lines to split the data set.

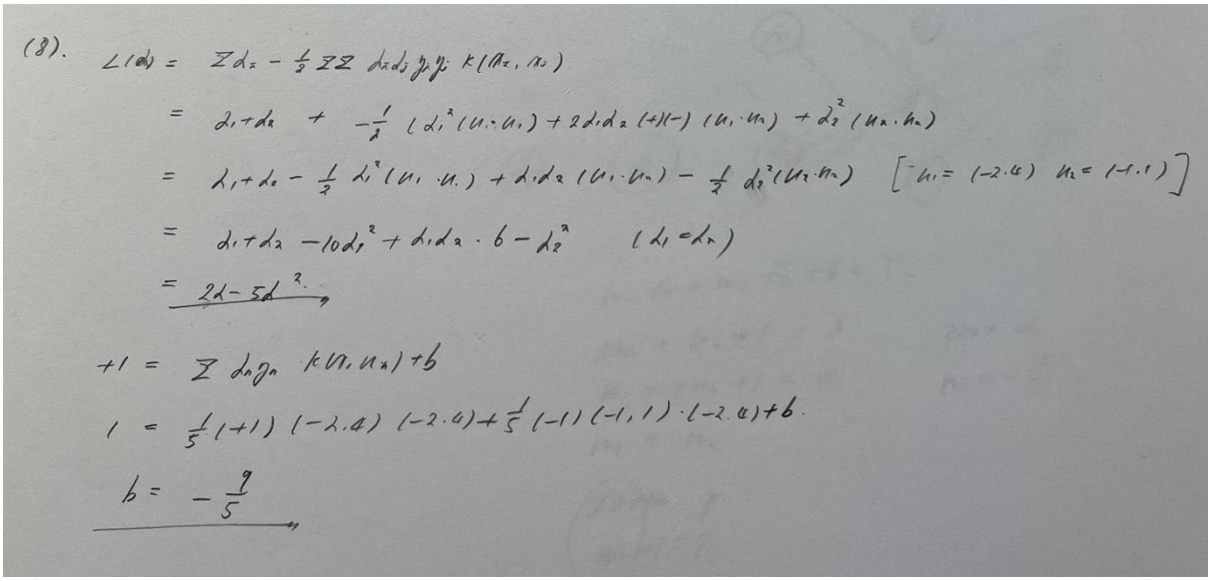
(4).



(5).

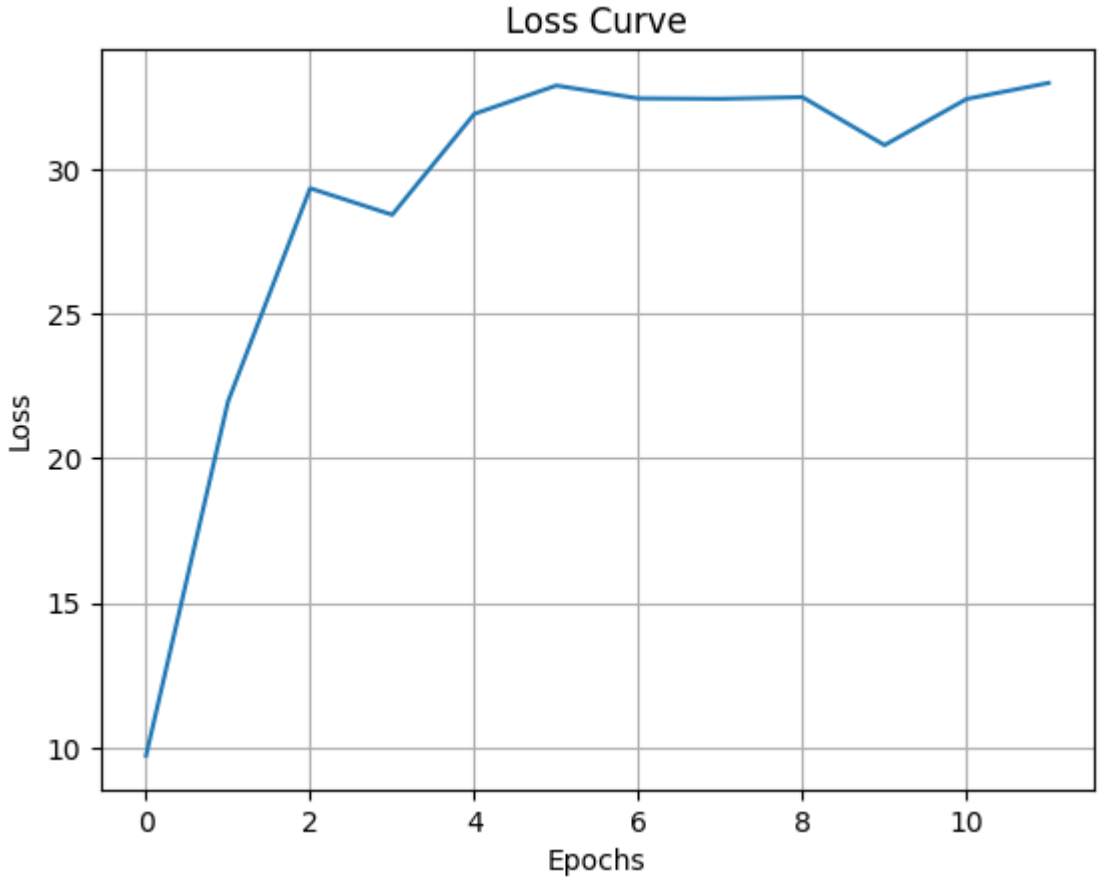


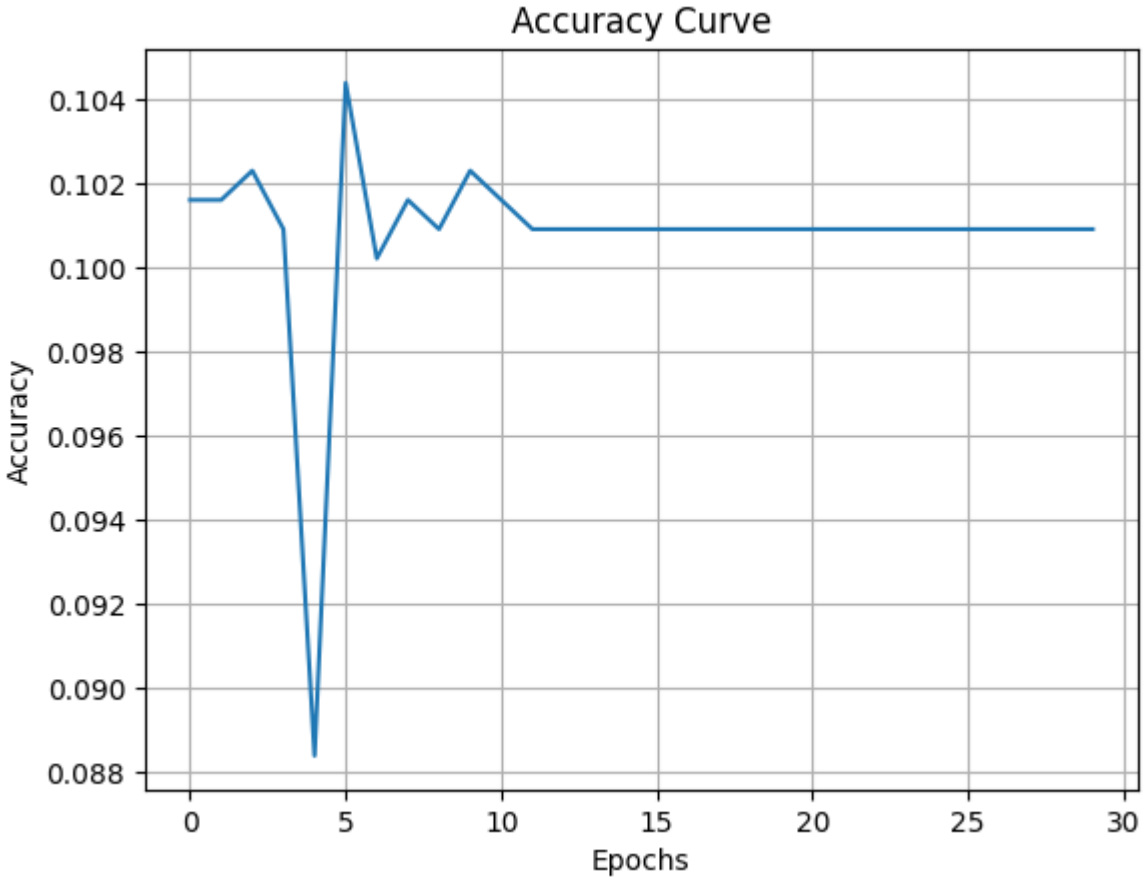
(8).



(9). No, the location of the point is out of Margin and classified correctly.

Problem03




Accuracy Curve
0.104
0.102
0.100
0.098
0.096
0.094
0.092
0.090
0.088
Accuracy
0
5
10
15
20
25
30
Epochs