

HW 6. Due Date Nov. 30, 2021

Derive a SVM solution for the dataset below. You must show all the details and intermediate steps. Exceptions to use library functions are matrix operations and Quadratic Programming. After finding the solution, plot the results and mark the margin as well as the support vectors.

$y = 1$		$y = 0$	
-2	9	-2	2
1	5	-4	2
2	8	-4	4
4	6	-5	3
5	9	-6	7
7	2	-7	1
8	7	-7	5
9	4	-8	8
6	4	-9	7