	Date
	Page
11/4/2021	In-Claa Broblem 11
JIII THE THE PARTY OF THE PARTY	(C) too (1) gribba
	For hard margin SVM, prove that
	0 = dS + (1x 20) rim + (1x 20) rim
	$b'' = -\frac{1}{2} \left[\frac{m'n}{m'n} \frac{w'x}{w'x} + \frac{x^{7}}{m'x} \frac{x^{7}}{w'x} \right]$
1	
1	+-1x20 6000/1- 2d.
=	
	Our primal problem is
The state of the s	Our primal problem is
1	mn IIIwila
w (25)	James and the state of the stat
15	5. 2: 14: (w/x;0+-6) >1
1	let's assume we solved for this
	and preached w* and b*,
	then the closest datapoints to the decision
	boundary will satisfy,
	0
	$ \frac{\min(\omega^* x;) + b^* = 1 \left[\log_{i=1} \right] \to 0}{1: \forall i=1} $
	1: 43: = 1
	and $\max_{1:y:=-1} (\omega^{*T}x;) + b^* = -1[x - 2]$
	1.4:=-1

