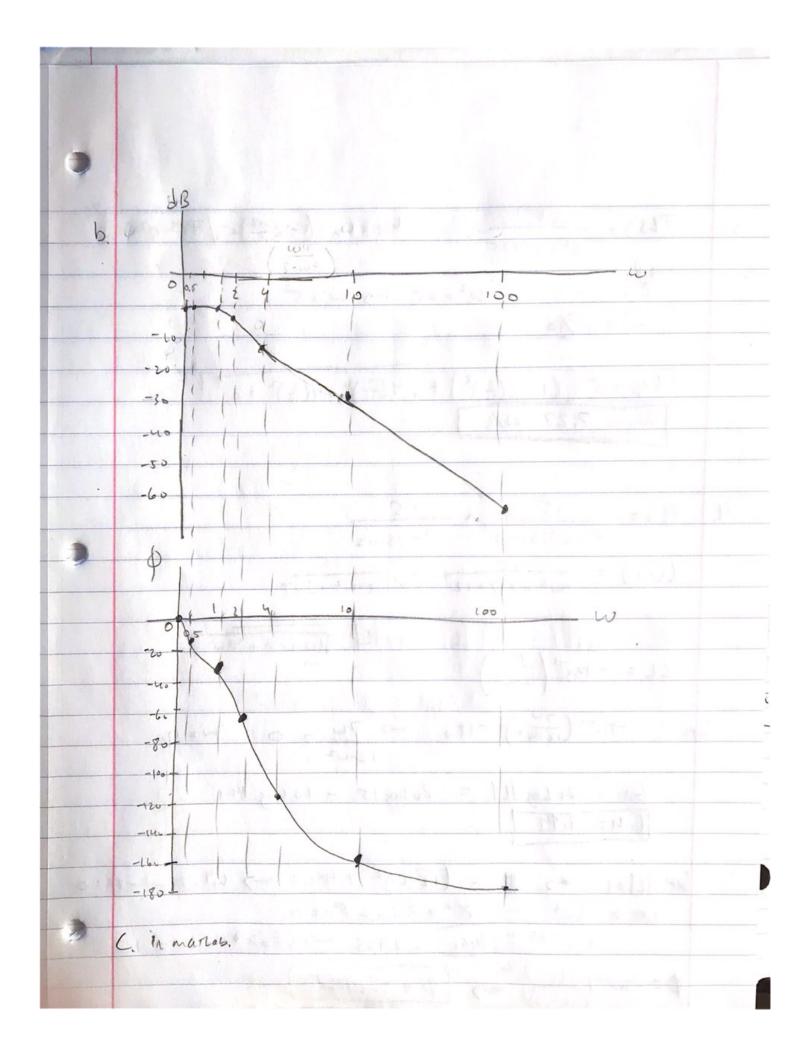
	Hw 8	'
0	1 A 6, 14, 1913 3 3 3 5 5 1 3 1 1 1 1 1 1	
· ·	2. B. 2. 12. 12. 2. D. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
	3. A. (, C.	
	4. C. mall of Constant S. B. B. C. S. T. S	
	5. B 10. A.	
	I was a second of the second o	
	- (1-u2)2+(23u)2 = 1 1T12	
	J(1-4)2 + (234)2 44-242+1 + 43242	
	- State of the sta	
	1.311	
	4 2 (17 Pp + 15 2 4 27 4 10 1 10 1 10 10 10 10 10 10 10 10 10 10	
7.	L(s) = 4 M20= 20 Log T \$ = CT = CN-CD= 0 - +45"	
	$(5+2)^2 = 72n^7 \left(\frac{\omega^4}{\delta^2 \omega^2}\right)$	
4.	T(1) = ((s)) = 4 = 102446.00	
	1+2Cs) (3+2)2+4	
	T(jw) = (-w2+8)+ Jw4	
	dB = 20log (4) - 10 log (64+64)	
	w 0 0,5 1 2 4 10 100	
	JB -6.021-6.025 -6.028 -6.99 -13.01 -27.99 -67.96	(
	P 0 -14.47 -24.74 -63.43 -116.4 -156.5 = 177.61	(
	The state of the s	(
		(



TUS) = 25 52+35725 WB = Wn (1-232)+ /434-4/2+2 23wn = 3 W2 = 25 -5 W2 = 5 3 = 3/10 WB = 5 ((1-2(3)2) + 14(3)4-4(3)2+27] WB = 7.27 148/5 4. ((s)= 15 = 15 (S+3)(S+4) S+7S+12 $L(j\omega) = \frac{15}{-i\omega^2 + j\omega^2 + 12} = \frac{15}{12-\omega^2 + j\omega^2}$ LL2 - +2n -1 (12-m2) Sur -Ten-1 (7w) = -180 -> 7w = 0 w= 0. 6m = 20 Log |L| = 20 Log 15 - 10 Log 144 SA 16/21 => 225 = (12-W)2 + 49W2 => W4+25W2-81=0 Let x= w² -> x² + 25x - 81 20 x = -25 = 1949 = 2.903 -> w= +8=> w= 1.7 Φ = -Ten-1 (?(1,1) => T. Φ = -51.56°