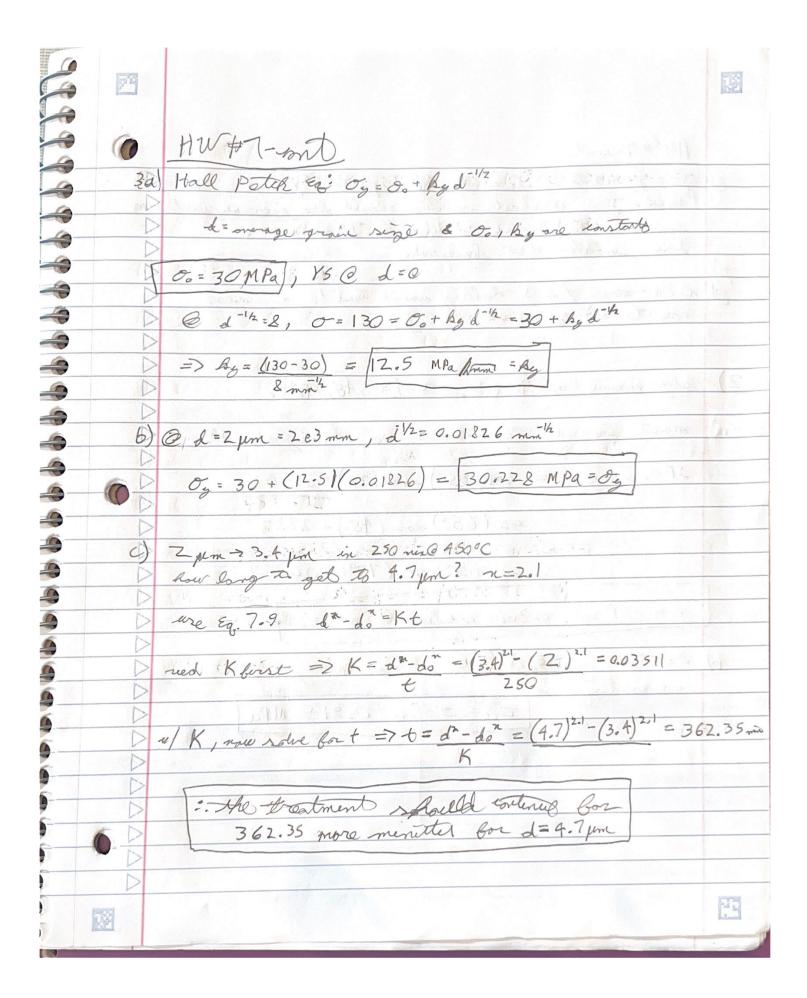
		躍
	HW#7	
la	Its modules of elosticity is injossible to descen ul	(AE)
	thes picture.	( Alexander
	The second of th	1 12
	moyer 250 MPa = 0 = 500 8Pa	
	1 0.0005 Ex 1/4 8 9 2 4 10 10 10 10 10 10 10 10 10 10 10 10 10	16
6)	proportional frement of 250 MPa	
	The state of the s	(3
2	0.2% YS = 300 mpa	
<b>.</b> D	The same of the sa	16
<b>→ &amp;</b>	UTS=650MPa	
	By B State Was 200 Mar & Alle Called Called State Control of the Control of the Called State Control of the Called	
4	W/ 0=10e-3m, 9=500e-3m, F=5000N	
	1 ( ( 2) / 6 m ( ) =7 x : LDFC   F1 ( ) - 1	
	A = (10e-3)2 T = 7.25 4e-5 m	4
	0= F=7.254c-5 m2 = 636.620 MR	41
	A 50,000 N PRATE TANA PARENTAL DE LA PROPERTIE	
	@ 8 ob 636.620 MPa ~@ mox stress, so E=0.0325	
	2632n 18 18 18 18 18 18 18 18 18 18 18 18 18	
	E= 12 l u/ Al very clongated Dl= elo=(0.0325)(500 mm	()
	lo	
9	elongation al = 16.25 mm	
	and the state of t	
	the deformation is planted	
	1000 1000 1000 1000 1000 1000 1000 100	
	The second of th	
	and the second s	
	And the second s	
		凹

24 ı; HW #7-cont B) The treatment increases the TS, 0.2% YS, & proportionally limit. The Sasticity modulus should also increase, in theory dowerser, the income is difficult to observe. The ductilety also decreased. 2 Cold-work / told-Rolling would bad to a similar effect as observed. 2) slip normal w/ P=65° = 7= [30°, 48°, 78°]. a) most forosed slig plane is one of highest 3F. 5F= cos 4 ros 2 = ros (65°) cos (30°) = 0.366 105 (65°) 105 (48°) = 0.283 40s (65°) xos (78°) = 0.0879 mot 51 of 0.366 1. slep dong 2=30° 6) butual resolved sheer stress along these parameter 2: Ter = OSFmy = 0.915 MPa 谑 J.



B		
	HW#7-unt	0 0
4)	55 reep @ 200° (473K), 20= 14003 g/mol	(1) 524
	find & \$ 0 250°C (523K) 2 0=12 MPa	PSE CONTRACTOR OF THE
	E. [R] O [MPa] [R] = mol => R=2.314	
	2.4e-2 29 0, 0.5 10 10 10 10 10 10 10 10 10 10 10 10 10	0
	use eg 8.25 $\dot{\epsilon}_g = K_2 \sigma \kappa_{eff} \left(-\frac{\lambda}{RT}\right)$	
	$\Rightarrow en(\dot{\epsilon}_0) = \ln K_2 + n \ln \sigma + 2e \ln n$	0
	Rane 2 egs: (1) ln(2.5e-3) = ln(K2) + n ln (55) - 140e3	
D	$(2.3e^{-3}) = \ln(K_2) + n \ln(3) + \frac{1}{12}$ $(8.3 4)(473)$ $(2) \ln(2.4e^{-2}) = \ln(K_2) + n \ln(2.9) - 140e^{-3}$	0
D	(2.314)(49))  matrix system: [1 hi(55) [hi(K2)] = [ai(2.5c-3) + 140e3]	
	$\frac{1}{1} \frac{(231)(473)}{n} \frac{(24e^{-2}) + (40e^{3})}{n}$	0
D	(8.31)(473)	0
	then In (K2) = C => K2 = app(C)	0
	from mumpy o lindy. solve => K2 = 47937.15 111	0
	=> \varepsi = K_2 & " up (-2c) = 1.3186 /2 = \varepsi s	0 6
		•
723		EI 6

