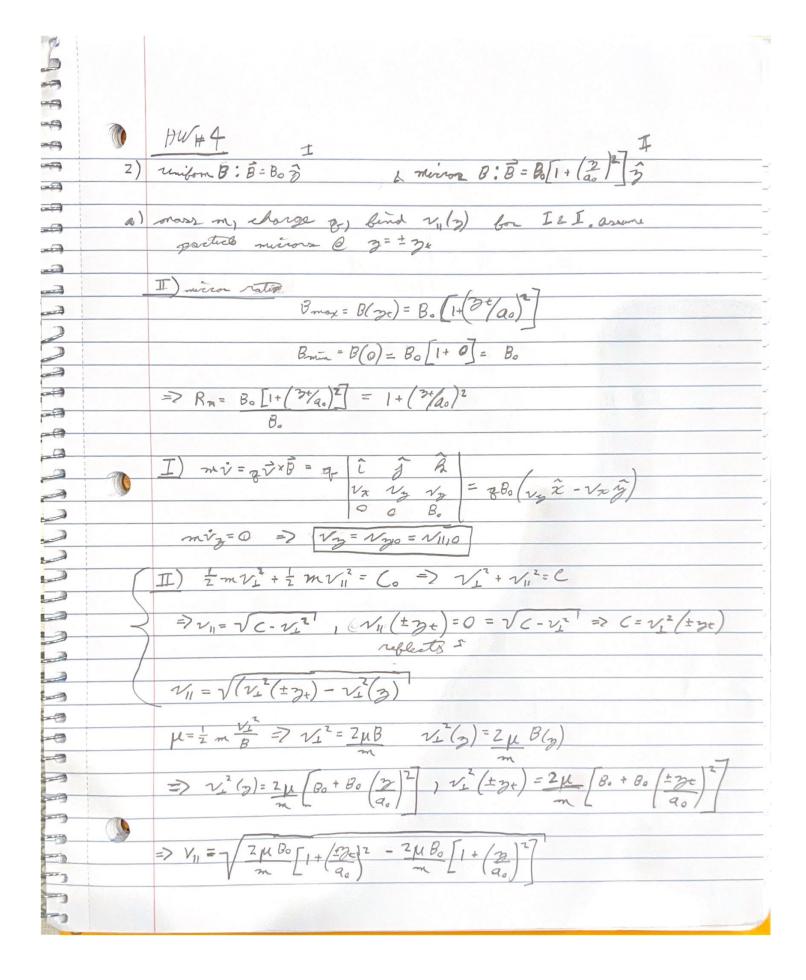
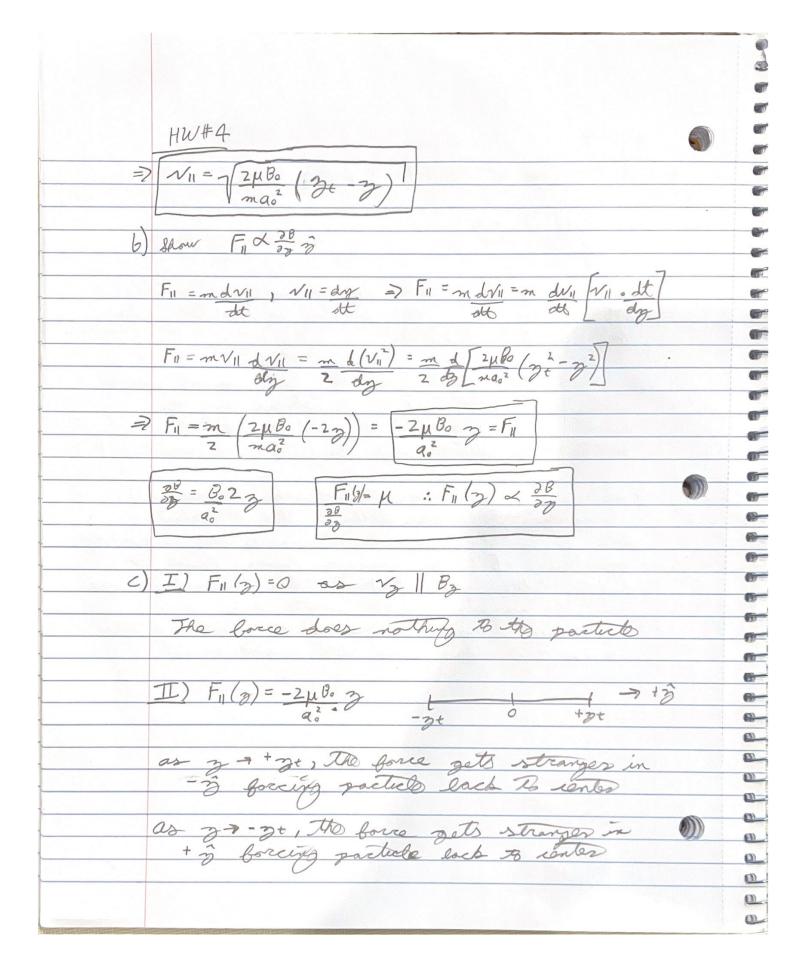


	HW#4-cot
6)	102 0= A = R T VA1+ 521
	T VA2+ 52
f)	dB= Mod devr = Mod r p - Mod doResse g 4π r² 4π r² 0 Rdp 0 = 4π r²
	47 12 47 12 0 Rdp 0 = 47 12
	-1020 0 0 Mariana Mariana
	21
	=> - mod R R & de = -mod R2   275
	47 (R'+32)1/2
	2 2 2 4 1 4 1 1
	= Pe - podR2 3 2(R2+42)1/2
	2 (R2+y2)1/2
	The state of the s
	the state of the s





Zd Period aT = ZTT ma,2 2µBo  $\frac{2\pi}{T} = \omega = \sqrt{\frac{2\pi}{T}}$ ZµBo ma,z **6** T. 0 

HW#4 3) find trajectory w/ B-(90,1) & E=(Eo Din(wt),0,0) We = 900 = 1 in sole If we we, the pertebolis happen so quittly that it looks like the trajectory is constant like for constant E field. If where the local perteloted are much more slout a quidyo renter uf sinusoidal pertaldians dott the trajectory of constant E 4 4 For wave & w-we, the mean behavior is 4 roughly to same. Although the trajectory the varying E will exert less force - averged over a period of oscillology than