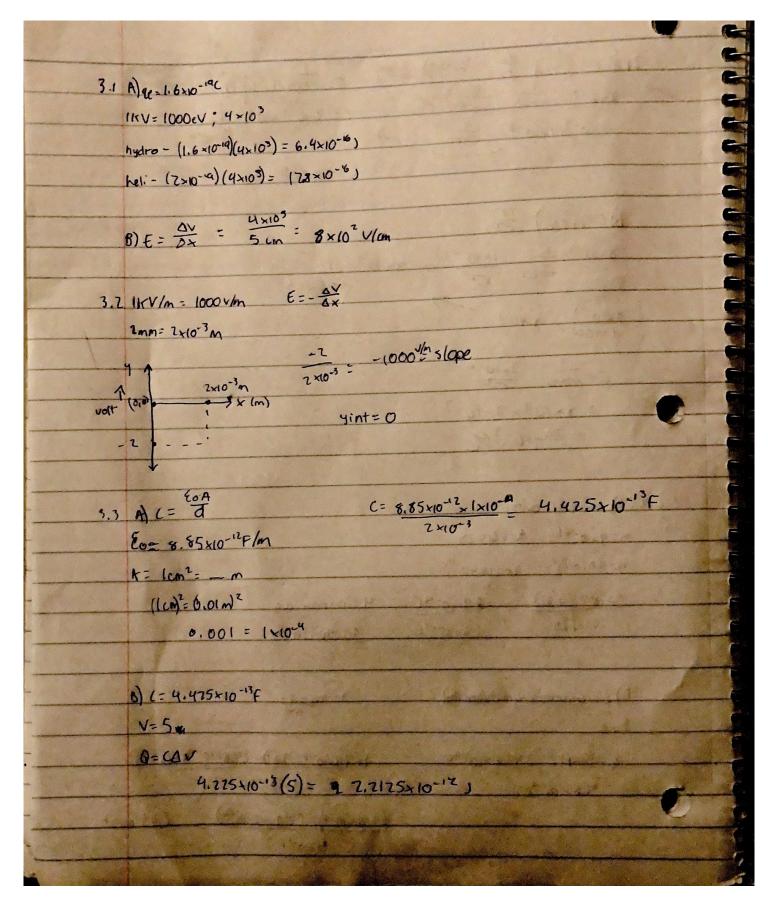
William Season	- 70× [0 C	89.74×10-16)- (29.43×10-16)	2.45 m/s2
	9=(4+1)= 3×1,6×10-19c	9410-16	
	1qE (= (4x10-16x 9.81)- (4.8x10-10x 6[3] 25)		
	B) Lacustration, I mass (gravity)	M	
		9=mg-9E	
	6131.25 1.6×10-14C	on the drops	
	9216-16 (9.81) - 6.4210-9(	4 electrons are	
allywide was framework to an adoption of	9= 9.8 1 m/32 9 = 1.640-19C		
	m=4x10-16ky 4E=631.25		
2.2	. A) I mass (growity)		
	= 24×10-34C		
0	The state of the s	and the same of th	
	E= 4740 3×10-6		
	8×10-7 8×107		
		4xEOT	
	8210-3 1 . 1×10-4 - 8	$\propto 10^3 - 1$	
	B) E= (4/1 EO) 4	and the second second	
			parantania kanada k
		8×10-5 V/C	
	2×10-3 /×1×10-6= 47160	> 25×10-1	
distance	2×10-3 = 4700 ((1×10-7)2)	E= 7×10-3×10-6. 1	



3.4 parallel

4.1 A) r = 2 R (series)

E = 1.5 V R= 501

r2=252

Ez=1.54

I=3

 $\frac{25}{2}\left(\frac{1}{2}\right)\left(\frac{1}{2}\right) + \frac{1}{30} = 0$ 

A) parallel)  $v_{\frac{x-\epsilon}{R}} = v_{\frac{x-\epsilon}{R}} + \frac{v_{\frac{x}{R}}}{R} = 0$ 

25 V2-37,5+ 25 Vx-37,5 + Vx = 0

-100p rule = 0

I Str. 5 2+2+ 50 | Slux = 75 SI VL= 1.4

I= 30 54 = 55.56 mA

V+= 1.47 v

II, IZ= 15-147 15 nAmp

I= I+12= 15+15= 30 mA

B) series) Ptot = PR + Pri + Prz

= I2R+ I2r + I2r

= 155.66 ) × 50 + (55.56) - 2 + (55.56) - 2 / 1000

= 154.34+6.17+6.17

= 777.51 ~ Watts

Parallel) Ptot = PR + R, + Prz

= 12R + IZR + 12r2

= (30)2(50)+(15)2(2)+(15)2(2)/1000

= 45 + 0.45+ 0.45

= 45.9 m Watts

