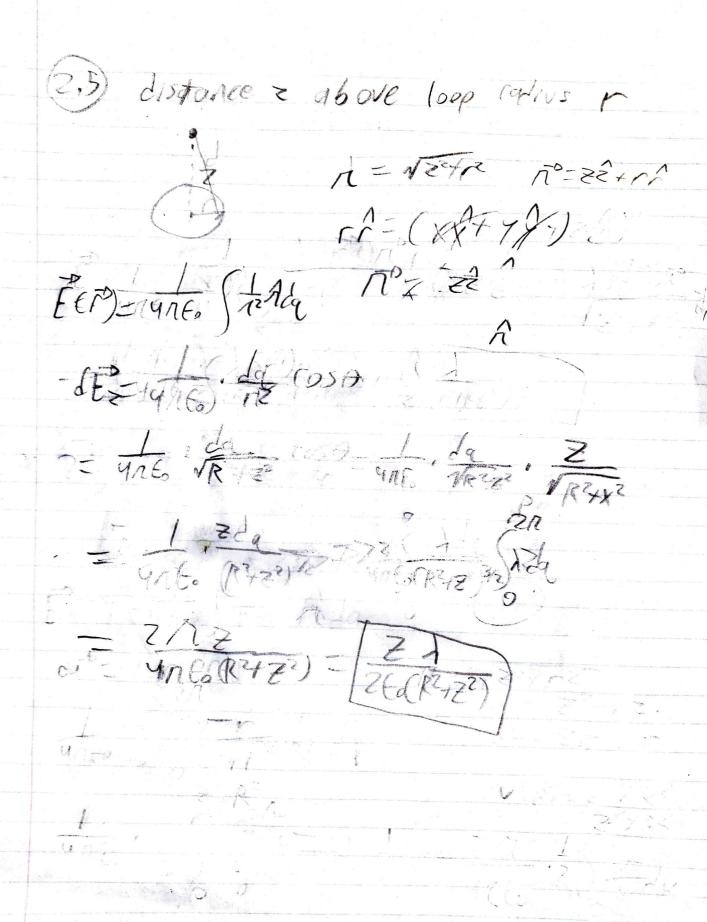
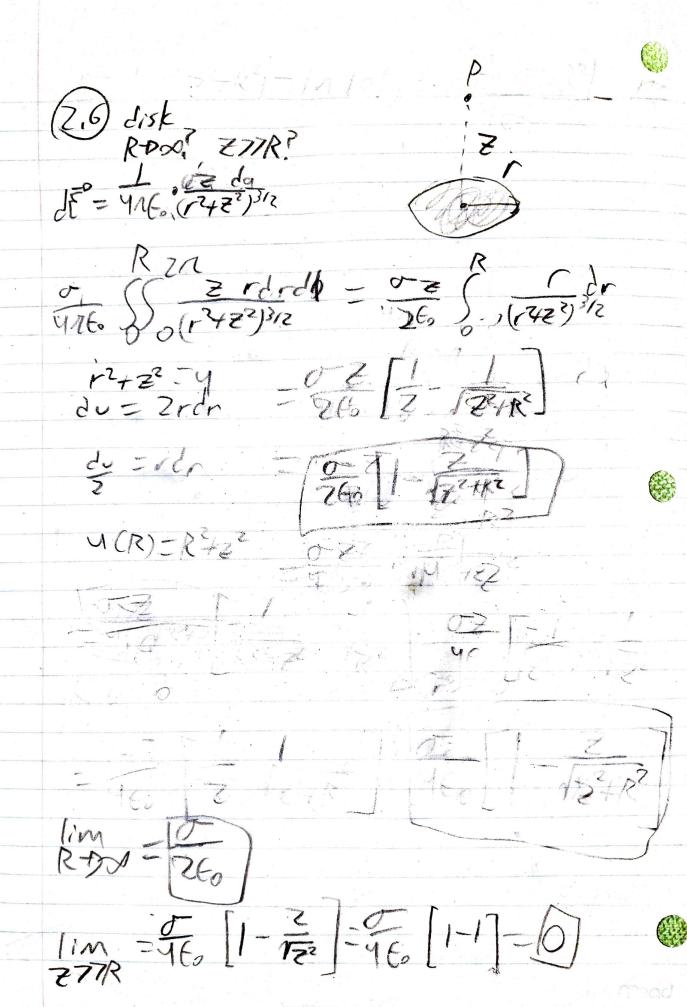
Adam Wildanger the First





29 E= Kr37 in spherical. @ find p V.E=EOP V. E= 12 (kr) = 5kr2 5k = EP SEO ETTEN B Fire topl Charge In Sphere rock SV-E'dr = \$55,560kr3, r35/nodododo (605k. 7n) Sryshodrdo = 3.5kizn (4050) 75 -4 = 5k.7n(-(2) == 4/1(Eok -5)

Netd



r=R dap=dladla=r3/nadada

SS Existinadedo = 20 Skrshode

= 276/3. [2] = JUNE 15.6 =



2.13 Use Gassis lar for E in sphere
charge dessity p

SE'idat = SIE'l da = Sphere

SSE'idat = SIE'l da = Sphere

On Resinadada = 20to RZ SSINONOS = ZMARZIZ = MINORZ Derwien the monorable dinners

Sport = 000 psobs dodz = 2ps sobs do

-22pr sobs = [2pn]

0 0 2 sport + Soda = Ssport dodz

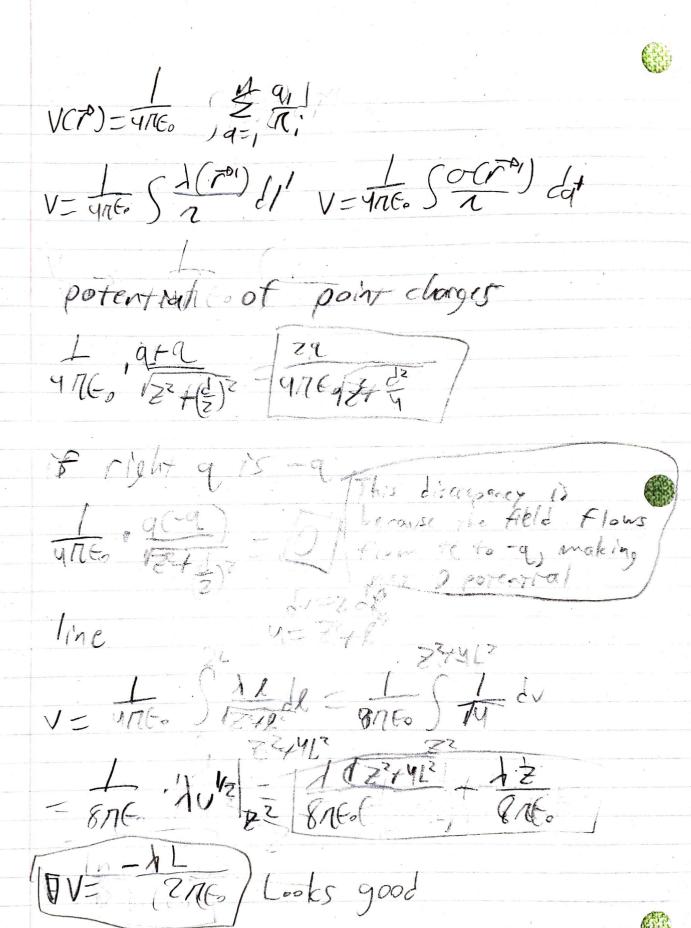
ma o s= 6 0 000 psobs dodz

4 Soosdbdz = Zpnb tozb sdo = 3pn b2 + 0262n = 0 (0 = 2 0742M=-EpAbt

Sport - Sport = zprob-9) - 2555 soda = ZPN(b-9)2- Npb(b-9) Sdz = = (Zp/7)(6-9))((6-9) - 6)=(Zp/)(6-9)(-9) $= (Z \rho \pi)(a^2 - b)/$ (ii) Spdr- gb (da = SSS podsdode - ob SSS cododa = 3 pn(b) - pb2, 2n= 01

7.18) Find charge in prop Charge in sphere Sphere A! YAPK Sphere Bi-4APK? 11.1R=c 1d1= 18 110 4 np (R-0) - 1000 (R-0) = 0 D Find potential

Most



Usc 1 RZN RZN Adrie 12412 - 121 - 12 = 470 [/ 2040 - 12/ + 12/] The state of the s

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