

upside down world!

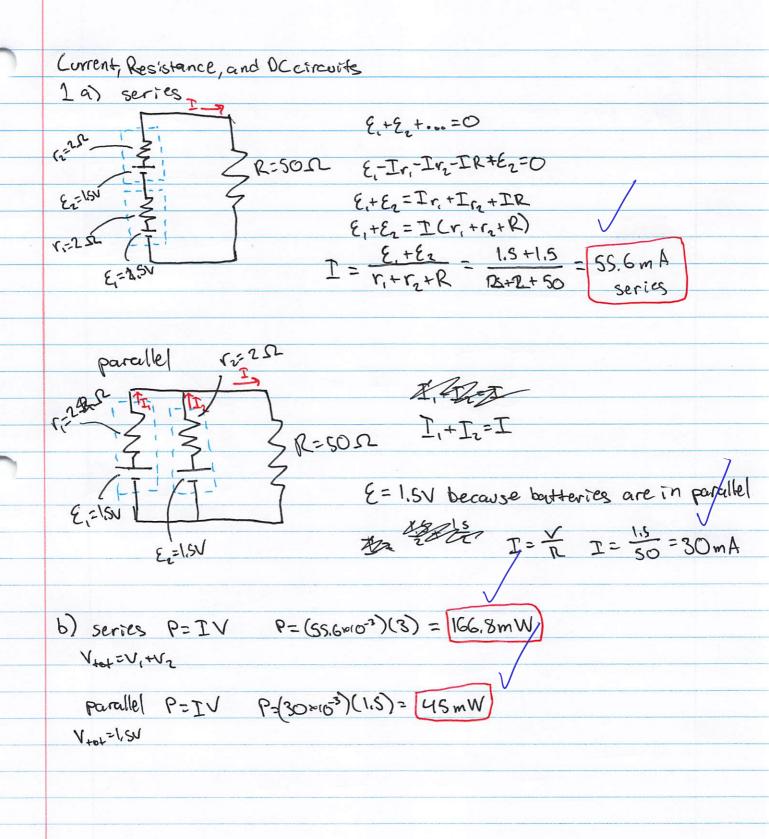
Mason Leboy 100.0) (0,000) -0-10 (0,000) Es 7 = Es 7 changes stores greater so Es 3 + house m/V 01×0.NS = 8×(501+8) a) F=q.E F=mg(weight) = mg=qE qo ===== 1-0×6-1-6×0-4-1-0×0-4-1-10×0-4 From Partie ma as 19 6 on my 2.45m/s Logardiago (440,000) - (8. 1440,000) (8.31.25)

Potential Energy and Voltage, Carpacitance 1) Given: DV=4/kV H=+lge He=+2ge 1J=6.242×1018eV a) U=qV Utot= KEtot >> KE= qV (1) W = 9.7 $W = 4.6 \times 10^{-19}$ W = 9.7 KE= 2(1.6×10-19) (4×10-8) = 12.8×10-15 x 6.242×1018eV = 7990eV 2) Given E= 1 kV/m No=2mm p) E= m DY = m (2x102) E= -0x od Distance (mm) well done E=8×104 V/m m (slope) = -1000 V/m negative? -1 V/mm y-intercept i3zero. When distance is zero, voltageiz zero (V=EDx) 3) a) C= \(\frac{\xi_0}{1}\) \(\xi_0^2 \xi_0^2 (=(8,85×10'2)(1×10-4) = 4.425×10-13 F b) Energy = 2CV2 = \(\frac{1}{2}(4.425\times(6)3)(52) = 5.53\times(6-12)\) 4) Ctot=C1+C2 in parallel Ctot = C1+C2 inseries

to store more energy we should add the other capacitorin parallel.

parallel

1) Gren: Malley Hattas Hestlas We say there ken a kee al 43,00 kg Mydrogen KE = (1,6×10-19)(4×10)=64×10-197 x 6.41×10-164 2) Gran E-16/m Oxerman MV COOL = (Gyole) M man VI-The report is zero when distraction is b) Energy= 200 = 2(4.415464)(5)= 5,53×10-1-J to store more every we should add the other capacitorin



0= 1+ 8+8 0-23+3F-17-17-3 NOS-3 I = 1.5+1.5

I = 1.5+1.5

D = 1.5+1.5 202012 8 = 1.5V because butteries are in Jellerios 18 To T I 50 = 3 Wm8 221 = (8)(50102)=9 JUL, VELLY

