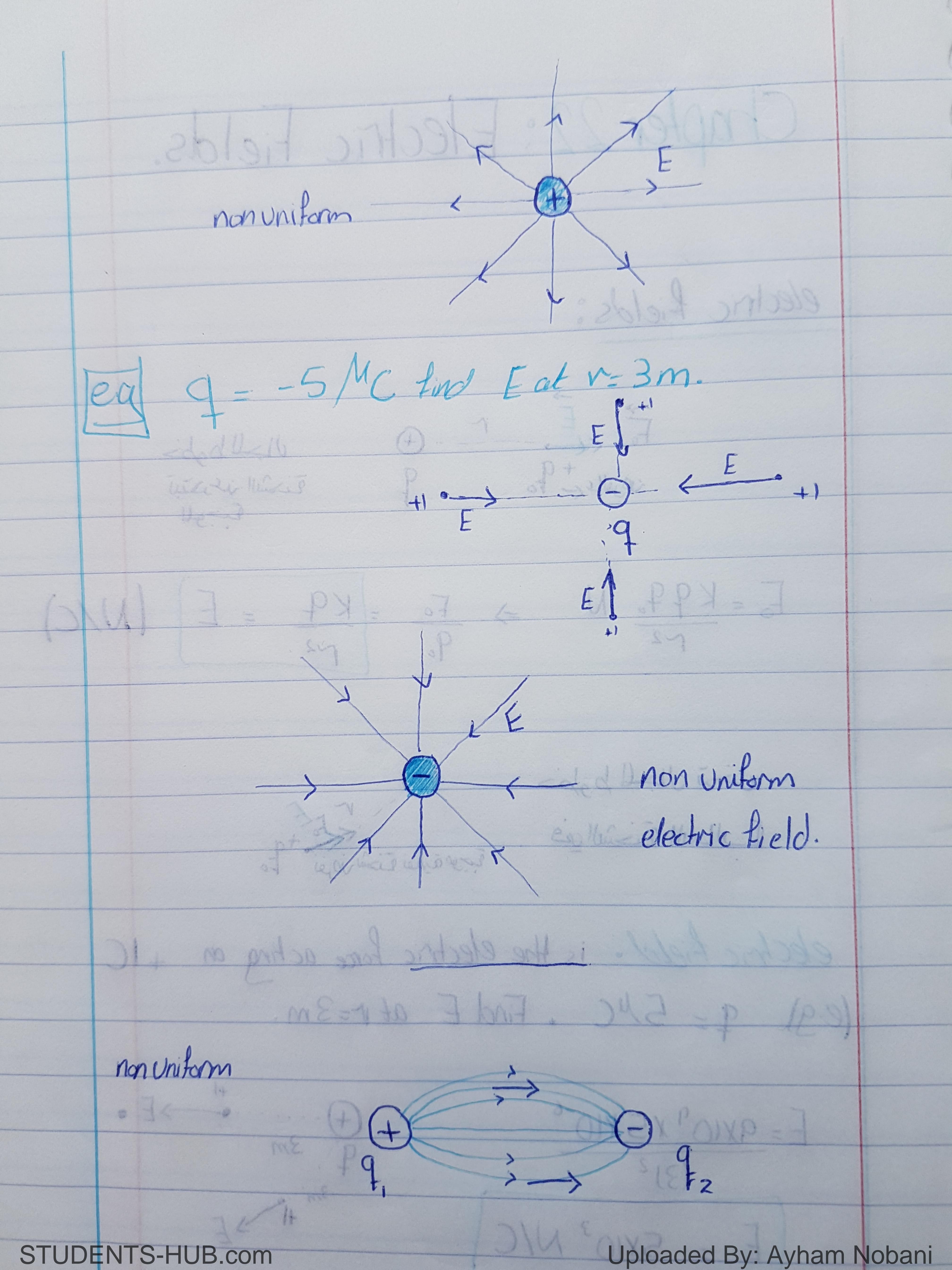


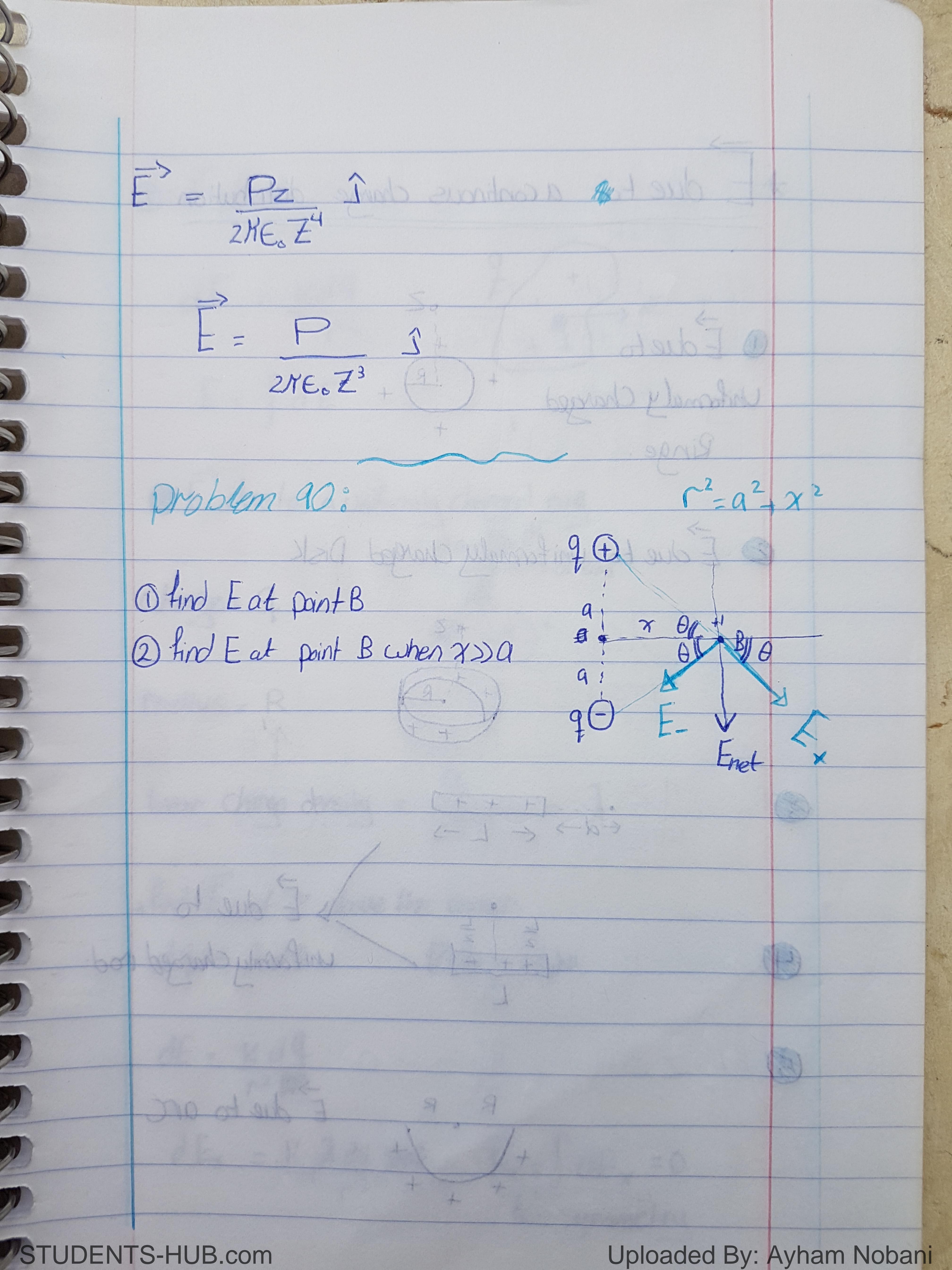
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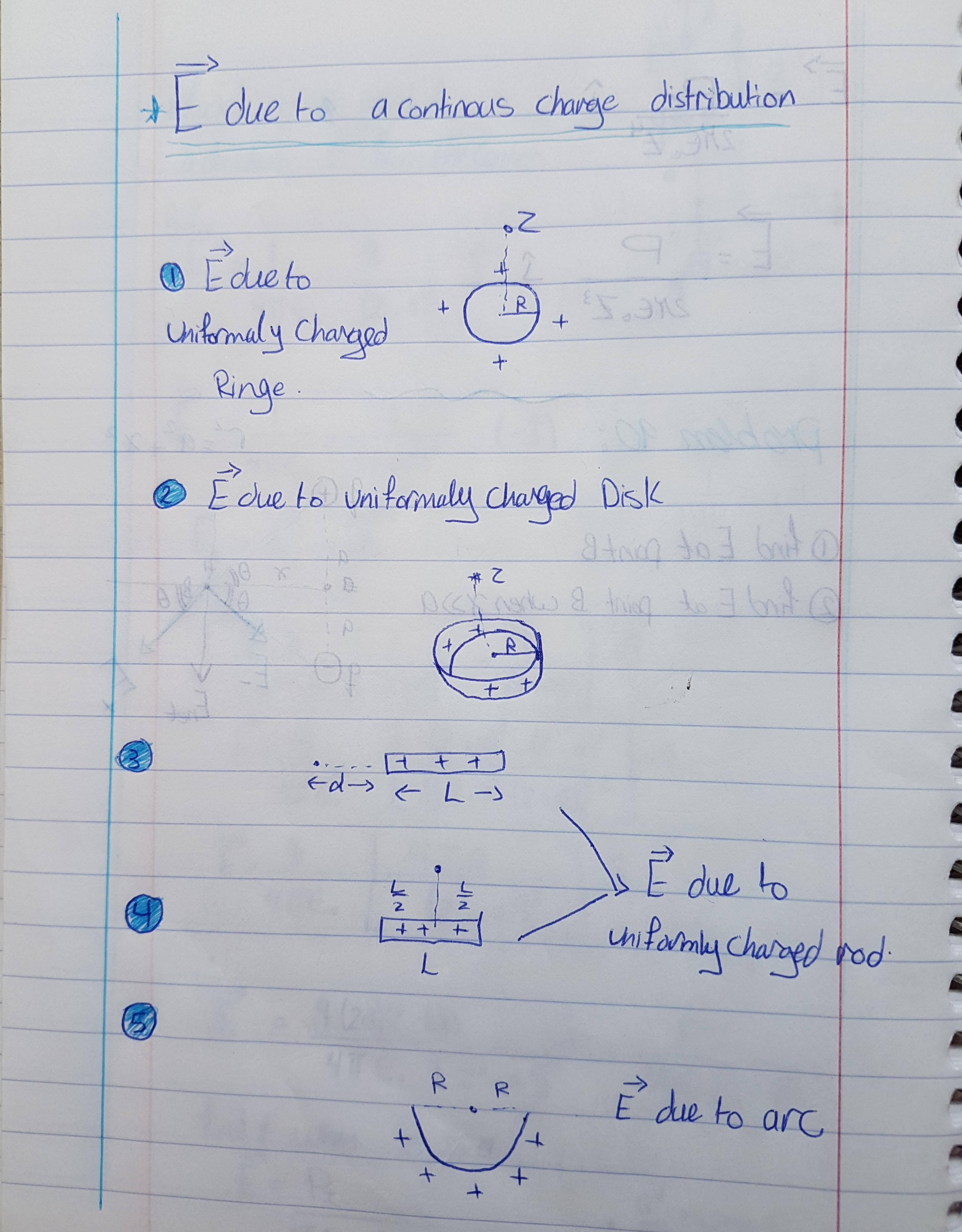


* E due to a set of point charges: * find Eat point A for each electric Dipole there's an electric Dipole moment = 3 P = 9 (2a) C.m

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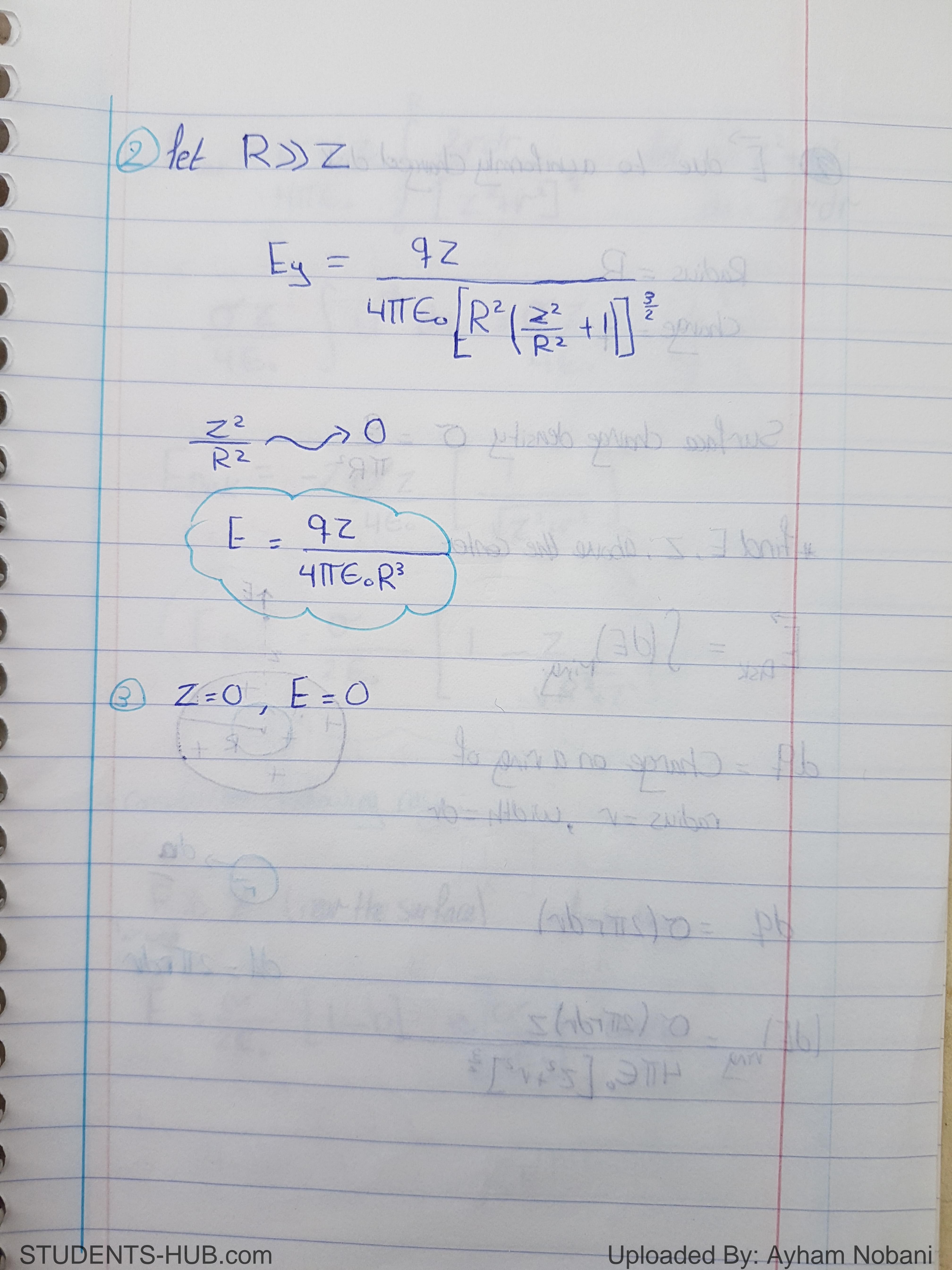
from the Center. adistance 21/E0 [ZZa2]2 find E when z ssa Uploaded By: Ayham Nobani STUDENTS-HUB.com

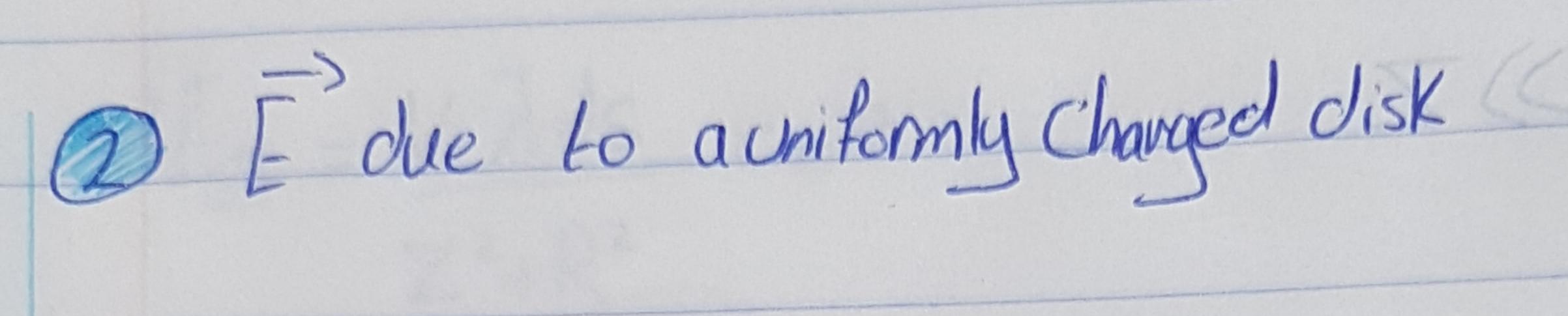




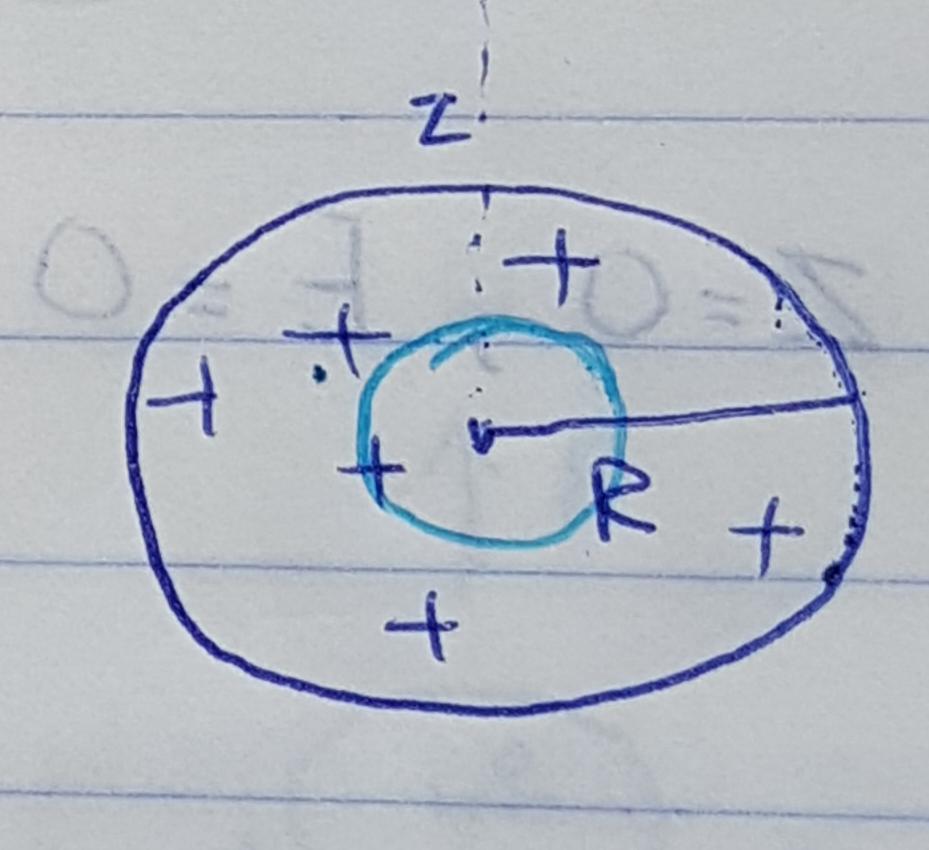
$$dE_{y} = \frac{1}{2} \frac{1$$

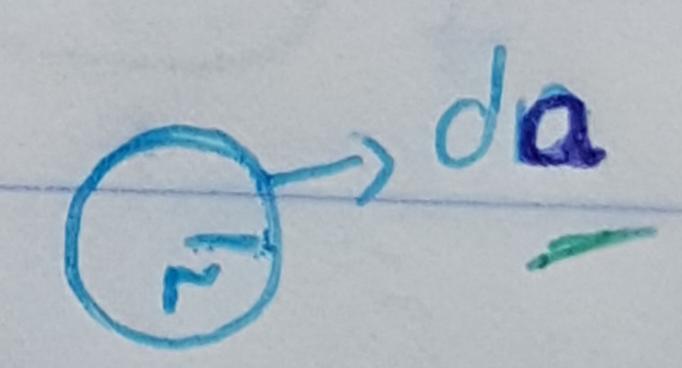
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Surface charge density
$$\sigma = 9$$





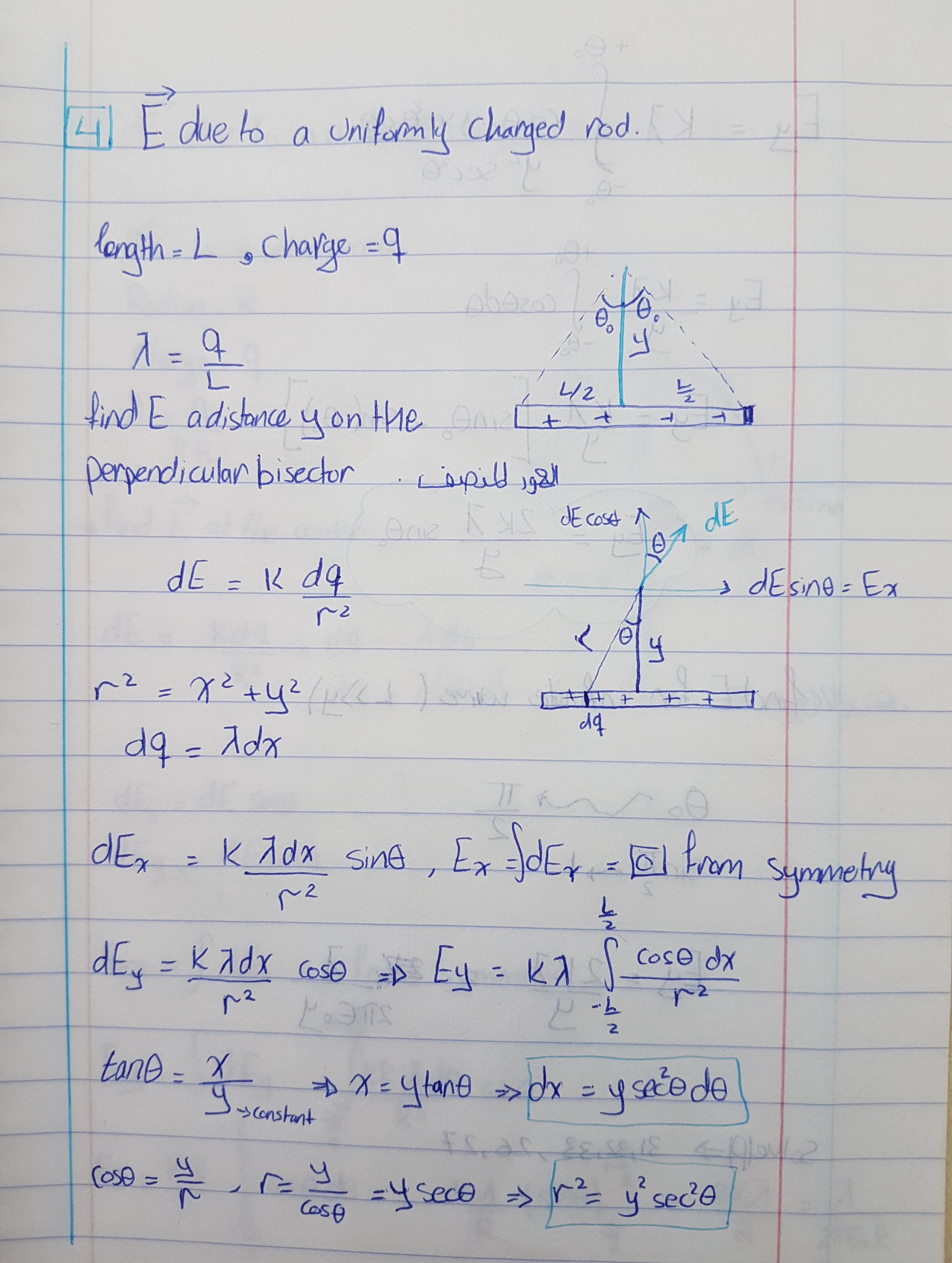
dA = 2Trolo

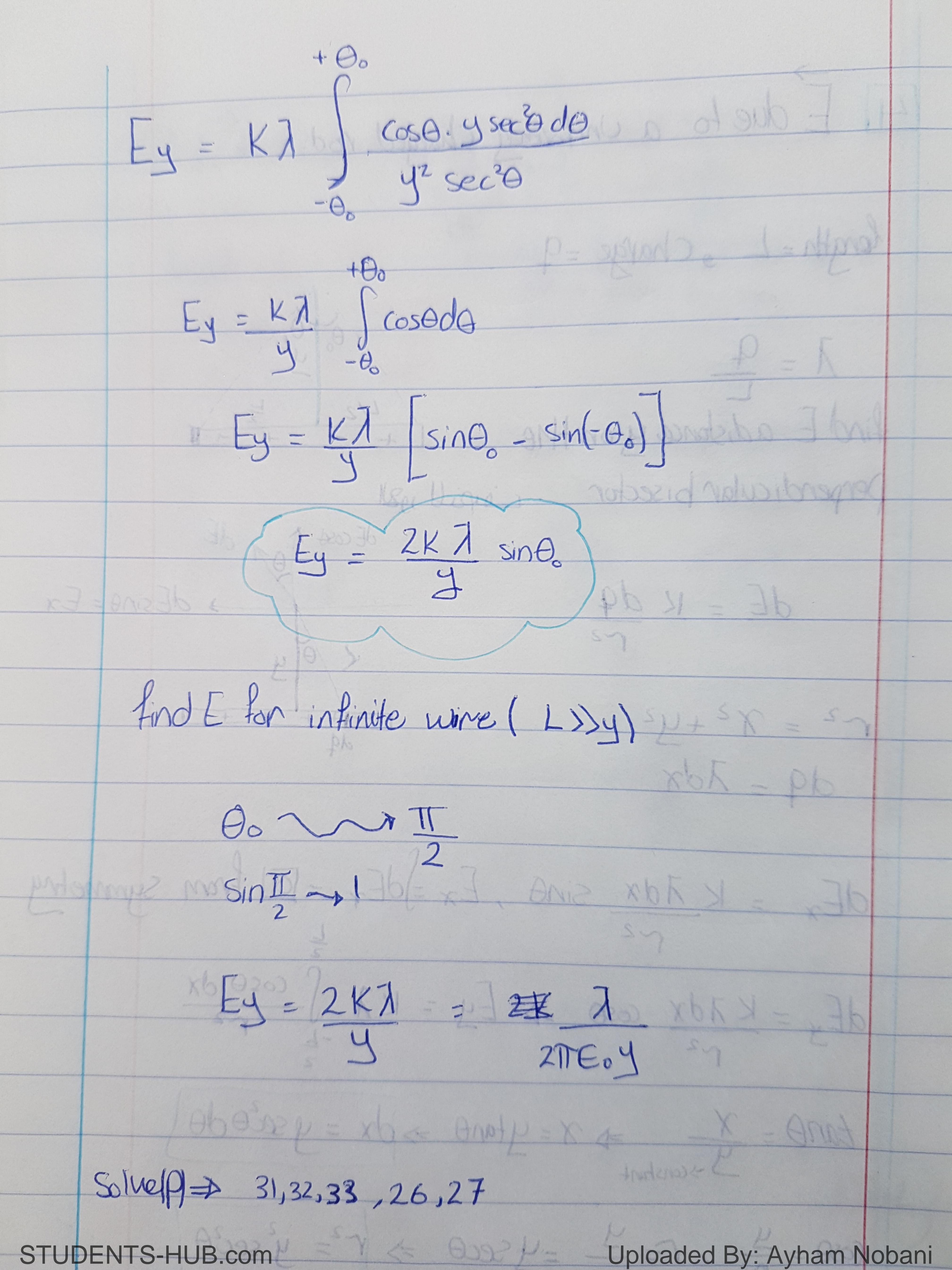
Ensk =
$$O \pi Z$$
 $\int 2rdr$ $\int 2r$

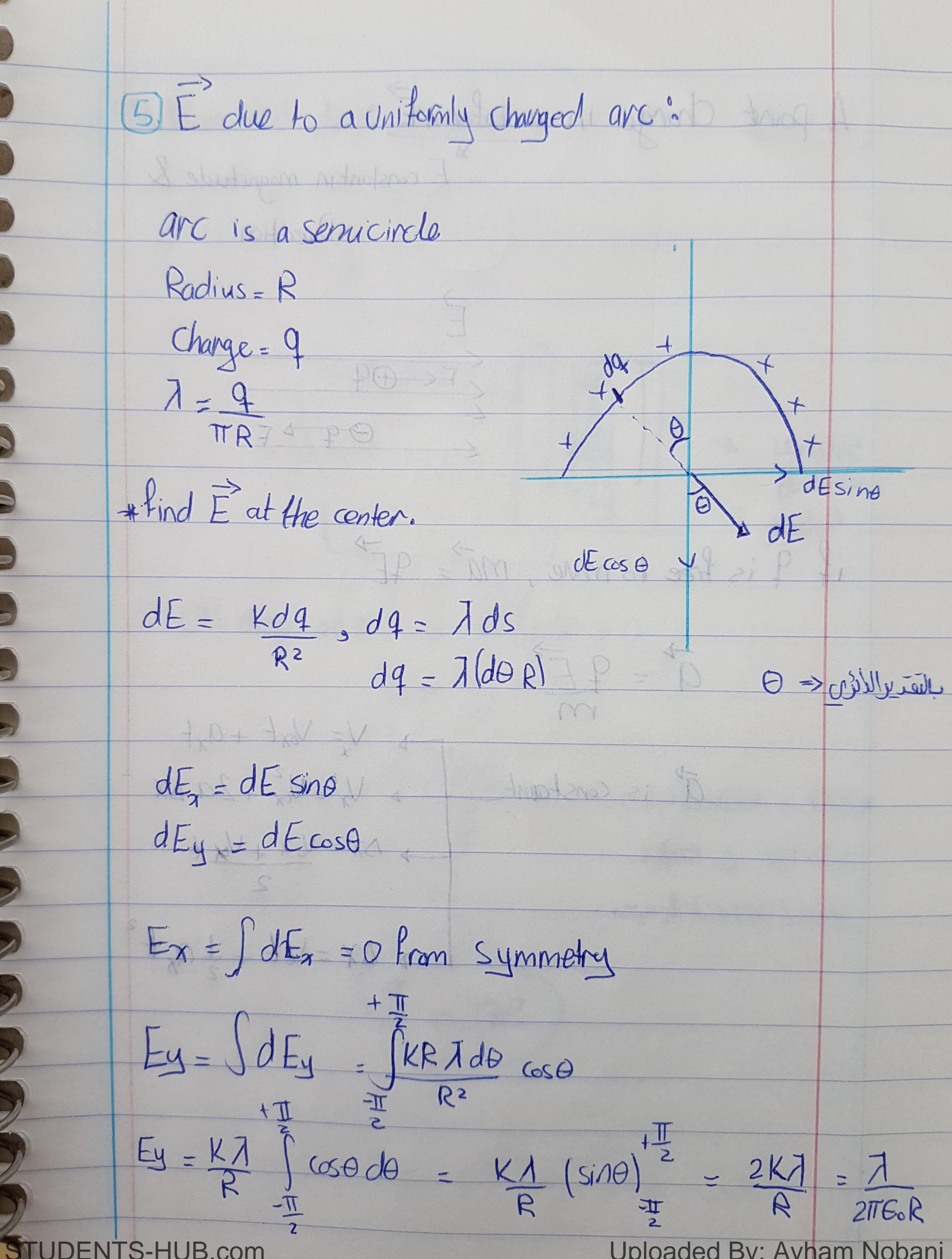
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BE due to a uniformly charged rod. length = L find E at a point a distance d from one end HITE od (L+D) find E ford >>

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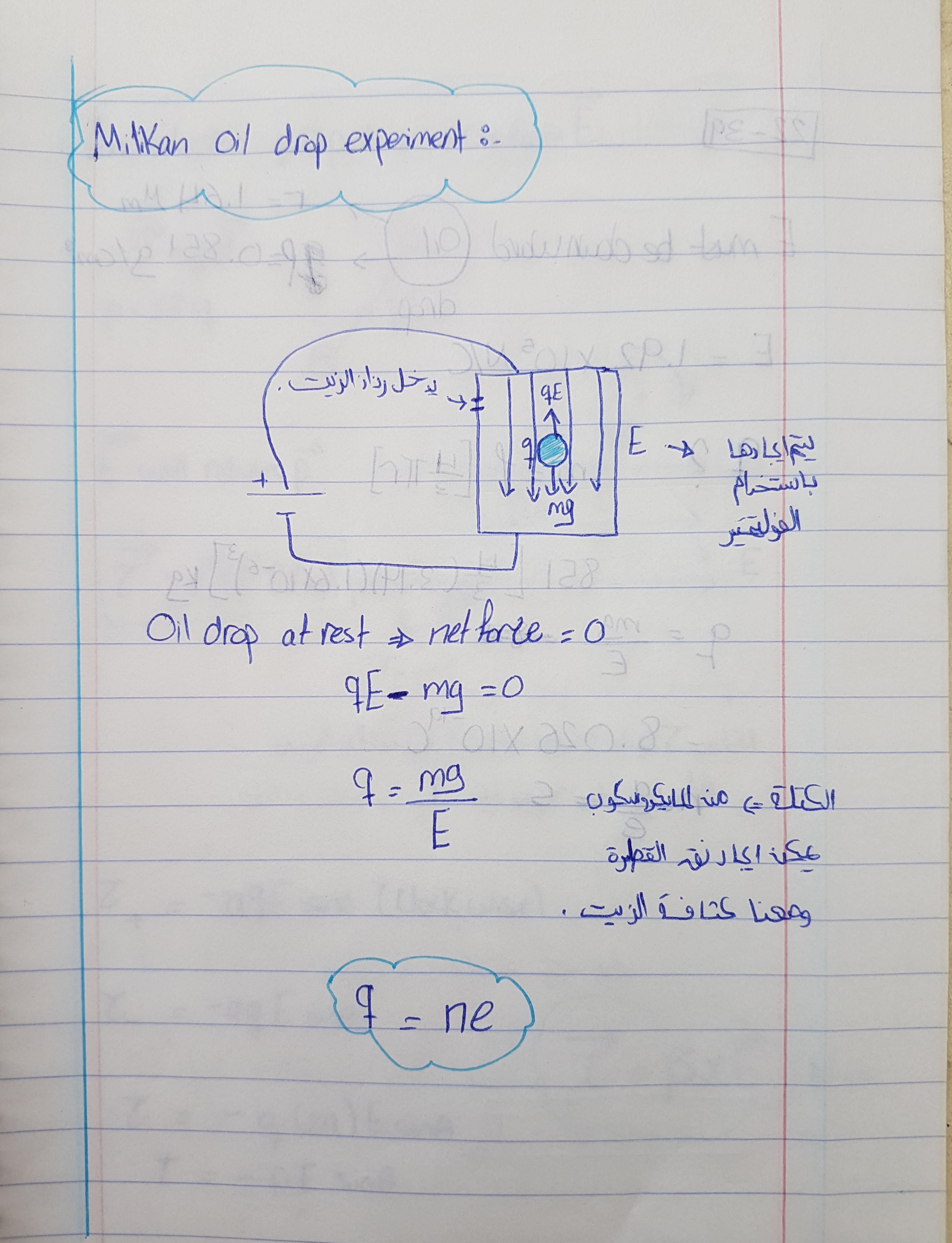






A point Charge in a chiform E: Econstant in magnitude & Direction. if I is free to move, Ma = 9E $V = V_{0x}t + Q_{x}t$ $V_{x}^{2} = V_{0x}^{2} + 2a_{Dx}$ LA DX = 16+ + + qx+

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E must be councilled (01) = 1.64 Mm

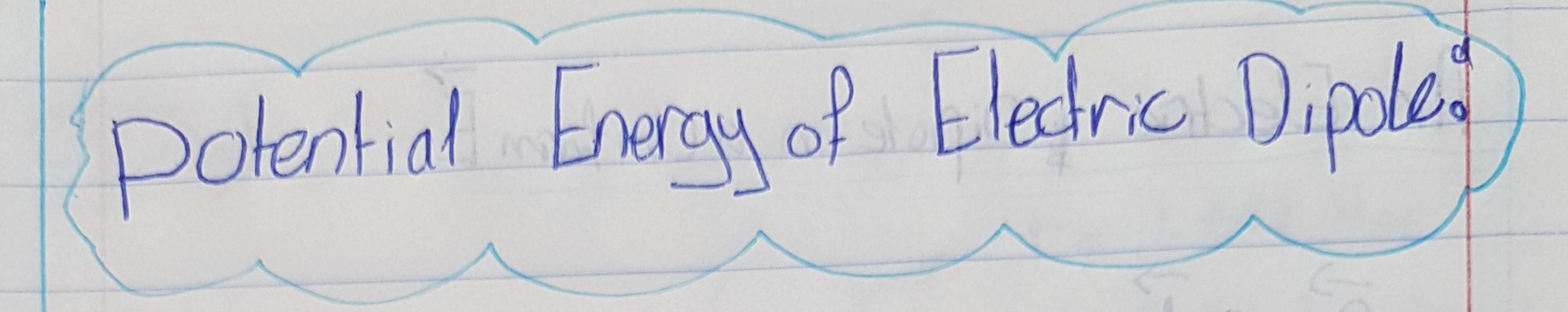
don

don = 8.026 X10-19C

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An Electric & Dipole in a Uniform E اتباه عكن ايادها باستخدام قاعرة اليدالهني 18 april 1 de ding 81 Z = - agE sno (Wockwise) C_ = - 99 E sino 7 = - 9 (2a) EsinA

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$$d = \frac{P}{q} = \frac{6.2 \times 10^{-30}}{10(1.6 \times 10^{-19})}$$

