



	Part B
	Part B
b)	Elevoir field at $P = Ep = Kql$ if $l >> 2$ $(l^2+3l^2)^{2/2}$
	(12+×2)22
	If 1>> 4 then reglect 4.
	- V
	$\begin{aligned} & \mathcal{E}p = \mathcal{K}q \mathcal{L} &= \begin{bmatrix} \mathcal{E}p = \mathcal{K}q 1 \\ \mathcal{L}^2 \end{bmatrix} \end{aligned}$
	l'about my lieu le jest mars
	New for a point charge at a distance
	Nœw for a point charge at a distance
	[Ep=Kg] Ring behaves like a point
	l2 charge, reducing the field
	Ep=Kq : Ring behaves like a point l ² charge, reducing the field to the value.
0	$Ep = Kql$ Ep is maximum. $(l^2 + u_2)^{3/2}$
	$(l^2 + 2l^2)^{\frac{3}{2}}$
	dEp = 0 l value is maxing ou mining
	de
	Division rule d(U/V) = vder - vdv
	Division rule $d(u v) = vdu - udv$ dl dl
	V ²
	V= (l2+ x2) 3/2
	Vdu - udv
	de de

