

(6 paints)

	(6 paints)	
(e) the charge is not mu	formly distributed(6	points) Correct
As Considering they h	one the same potestial	-> <u>9</u> = <u>98</u> 4 x & R1 = 4 x & R2
- DAΠ R,2 =	0 B # P2 /	DA - R2
P.	$\begin{array}{c c} \mathcal{T}_{\mathcal{B}} & HFR_{2}^{2} & \longrightarrow & & & & & & & \\ \hline \mathcal{R}_{2} & & & & & & & & & & \\ \hline \end{array}$	$\frac{\partial}{\partial A} = \frac{R_2}{R_1}$
- (2points) Some atten		1 free
As this, faexomple		
if	$R_1 \ll R_2 \rightarrow 0$	v >> Q. ⁸
- (Opoints) Nothing I Im	ôrrat.	
(f)		Correct
E, 4 (1)	(2) A E ₂	F , —
€ = 0	E-0)	$\frac{E_1}{E_2} = \frac{\nabla_A}{\nabla_B}$
T _A) TE	
Applying the Gausslaw for (1) and	J (2):	$\frac{E_1}{E_2} = \frac{R_2}{R_1} \left\{ \begin{array}{c} \\ \\ \end{array} \right\}$
to F.A. Tak - F	7	
*(1) EINI = DANI -> E		
$\#(z) E_z \not V_z = \underbrace{\nabla_B \not X_z}_{\xi_0} \rightarrow E_z$	- O8 - with	this they get the full and t
- (2 paids) some atto	upt	
With some result like the	'5 Ε, >> ε ₂ (τ ₄ >> τ ₈)	they get a partial headits
	n, 3) 2	

- (o paints) I morret / Nothing Comment: [For grading, if there is a some attempt for each problem, or incorrect [d] or [e] or [f] and Some work for the others: 6 points If there is a better attempt and Ca] is correct you should neceive: 10 paints]