## SINAVA YOUTH TERRAP

D diverperce =0 bonon montigi de tommi cilcabile.

VXE=0 you noutosolise V== 9 le esittle divorgence.

$$\frac{7V = \frac{dV}{dx} + \frac{dV}{dy} \hat{g} + \frac{dV}{dy} \hat{g} + \frac{dV}{dy} \hat{g}}{2} = \frac{7V}{4}$$

$$\frac{2}{4} = \frac{1}{4} \cdot \frac{9}{4} \cdot \frac{60}{100} + \frac{1}{4} \cdot \frac{1}{4$$

Digon cignisel you jognings 1= 2/1c/m olon culouk 1,5 métrédie de x ekseri à zerindedie x= 2,5 m devi Elekter alon bulonuz

- a) Eletton along you redio?
- b) Electionic along belieferen integral i jack edin.

c) elev. H2/L alon red/2

(curvet redis?

a) x journalis b) once all believe dq= Adx eesiH12 え=デード  $\hat{\Lambda} = (2,5 \times).\hat{\lambda}$   $\hat{\Lambda} = (2,5 \times).\hat{\lambda}$ d = 1  $\frac{dq}{|\hat{x}|^2} = \frac{1}{|m(z)|} \frac{dq}{\hat{x}|^3}$ = 1 1 . Adx . (2/5-x/x)  $E = \frac{1}{\sqrt{180}} \int \frac{1}{(2i5-x)^2} dx \cdot \hat{x} = 2i5-x=u$  -dx = du $\left(-u^{-2}.du=u^{-1}\right)\left(-\frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2}\right)^{1/5}=\frac{1}{1}\frac{1}{2}\frac{1}{2}\frac{1}{2}$ F= 1 .3 x = 10.800 (N) x ED = 8,87 10-13-22 d) F= Q. E=4,48.10800

43200.10-6N

TOUR DISON, CIORISEI PIS YAURZ ROSIN CLEURES MESTE

abilimistic. Centern mortesinderi elektor alan rediz.

alyan blingson cles)

a) Eggs 1= 10 smg-12 in 18001 11000001 10 ====3

A duapoin adjuntomistic.

All objection of a described of the sind of the described of the sind of the described of the sind of the described of the described of the sind of the described of t

dg = 12.09

1=1-1=-2008-1-25m01

 $d\vec{\epsilon} = \frac{1}{112} \cdot \frac{d\theta}{\ln \epsilon} \cdot \hat{\epsilon}_{n} = \frac{1}{12} \cdot \frac{12d\theta}{12} \cdot (-2\cos \hat{x} \cdot \cos \hat{x})$ 

| n = 1(-pas)2+(psing)2 = 102(0830+sin20)=2

 $\hat{E} = \frac{1}{4\pi \epsilon_0} \int \frac{1}{2} (\cos \theta \hat{x} + \sin \theta \hat{y}) d\theta$ 

a) È bosne = 1 / 10.5mg (000 x+5mg 2) 019-

Kitopton 3469 -69 10 100000.

VE = 1 g ispat Reknostoryon 1. Evalue work

