b/ Q Heuzmensseld, mo EiE. U Ez= Ez = FEZ=Eo Di= EoFo 02 = & & o E = E o E o c/ Unknower => 3apsg to usnemsem (2) Kan b) 2. Daugi C1=1x10-69, U=3006, C2=2x10-691 DW-) W1=C102, 90= G10 Korga & Mabrobencia, nomery has ogurounder  $W_2 = \frac{q_1^2}{4C_1} + \frac{q_2^2}{2C_2}$ =7 C291= C1C90-91/

3) Dato: 
$$\frac{1}{1} \frac{1}{3} \frac{1}{4} = \frac{1}{3} \frac{1}{3} \frac{1}{4}$$

a)  $E_{12} \stackrel{?}{=} \frac{1}{3} \frac{1}{3} \frac{1}{4} = \frac{1}{3} \frac{1}{3} \frac{1}{4} = \frac{1}{3} \frac{1}{3} \frac{1}{3} = \frac{1}$ 

4. Dano: r=5×10-5m, r=1×10-2m, f=1.5×10-1m, e=1

C - ?  $\begin{cases}
Q(r) = -\frac{\lambda}{2\pi \xi \epsilon_0} \cdot /n(r), 2ge \lambda - n_0 m_0 cm_0 3anly + \alpha + \mu mu
\end{cases}$   $\Delta Q = \frac{9}{2\pi f \epsilon_0} \cdot /n(\frac{r_0}{r_0})$   $C - 9 \quad 2\pi f \epsilon_0$ 

 $C = \frac{9}{50} = \frac{2\pi 1840}{\ln|k|} = 1.57 \times 10^{-12} \text{ P}$ 

5. Dano: R27R1, E=7, C-?

To meonemy Taycca; 17. 4x v2 - 9

65. 2040: 0-11-11emkocmb czembl-! Zanenum axemy: Co2-c2+ Clo=0 92 1 3 CONTORIO CYNTOCH CON STANIS

7. Dano: 
$$Q = Q_1^2 \Rightarrow Q_2^2 = Q_2^2 = Q_3^2 =$$

8. Dano: - 2 9,104

Emin moder norym menez cemny -?

Thegemakusem Haranonyto anopoemb Vo.

Im vosin'z >90

2m Vossin2 790 => Emin= 90 sin2

9. Dano: 80, E=3 MB/M = 3 x106B/M / W-?

 $W = \frac{\varepsilon_0 E^2}{2} = \frac{1}{2} \times \frac{3}{10^6} \times 8.85 \times 10^{-12} = 1.3 \times 10^{-12} = 1.3 \times 10^{-12}$ 

10. Dano: 3 777, 1 / F 4a gunanb

# PNE=F 2) | E-27/df= 201 | E-27/df= 201 |

 $E = \frac{1}{2\pi 140}$ 

F=P. df

二人里

F= +ke-kp

S) Cuna Ha nonomumenthus
39129 U Ha ompuyamenthus
094400661 NO Benuruhe.

3407um == 0