PY 202

exam: Mex 95

top 1/4 85

median 80

3/4 quartile . 72.5

min 54

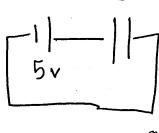
ex

V(at center) = V(r=a) d- Points!

V=- \(\bar{E} \cdot a \bar{Points!}

quiz (clicher)

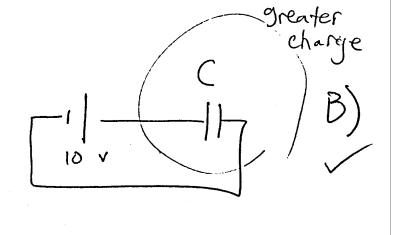
1)



Q's?

$$C = \frac{Q}{V}$$

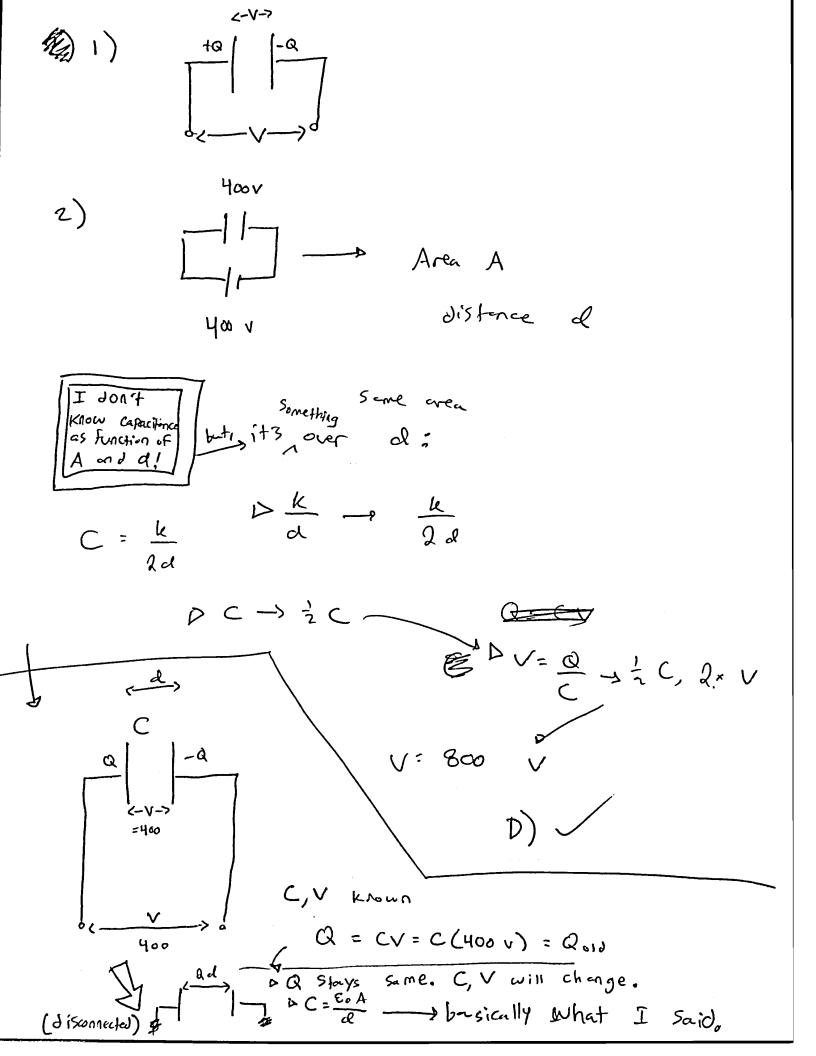
Q = CV



V, KV

کر چی

≤v Q



DQuiZ takeaway:
$$C = \frac{E_0 A}{d}$$

$$C = \frac{Q}{V}$$

potential difference ca faci tor

Property device

Ceq Derivation Method

Connecting Capacitors Q tot = 0, +02 = C, V+C2V

" Q = Ceq V"

Parallel

Zequal: V1=V2

= not equal:

Q1= C,V Q2:4V

V=12 Volts

anything connected by conducting

whe (or my) is at some

Potential

Din Parallel: Ceq = C,+C2

V1+V2 = 12 V.1+ = Vto+

 $Q\left(\frac{1}{C_1} + \frac{1}{C_2}\right) = \frac{Q}{C_{eq}} \Rightarrow \frac{1}{C_1} = \frac{1}{C_1} + \frac{1}{C_2} = \frac{1}{C_1 + C_2}$

