(a)
$$V_3 : K = \frac{2.40^{-5}}{3} = \frac{3}{9.10^{9} \cdot 2.10^{-3}} : 6.10^{4} \text{ V}$$

 $V_4 : K = \frac{2.10^{-5}}{6} = \frac{3}{9.10^{9} \cdot 2.10^{-5}} : 3.40^{4} \text{ V}$

WAS: 9 (V. VA) = 3 40-5 (6.104-3.104 V) = 5,4.104 J

CS Scanned with CamScanner

 $V_{c} = K \frac{2.10^{-5}}{6} = V_{A} = 3.10^{4} \text{ V}.$ $V_{g \rightarrow c} = 9 (V_{c} - V_{b}) = 3.10^{-5} (3.10^{4} - 6.10^{4}) = -5,4.10^{4} \text{ T}.$

 $V_A = V_C$ $W_{c \rightarrow A} = 0$ Scanned with CamScanner