

The voltage across the capacitor at t=0- (just before switch is open) b. The current down the capacitor branch at t=0- (just before the switch is open) C

The total current supplied by the battery at t=0- (just before switch is open) 2

 $\angle A_{C}$ c. The total current supplied by the battery at t=0- (just before switch is open) $2A_{C}$. The switch is then open at t=0+

_t 1.002 -50st

3002 d. The time constant of the discharging circuit.

 ζ_{\odot} e. The voltage across the capacitor as a function of time.

2 f. The current across resistor a as a function of time.

12 g. The voltage across resistor a as a function of time.

h. The voltage across resistor b as a function of time.

1/4 i. The voltage across resistor c as a function of time.

Rey=3 (1) 10-32=48

