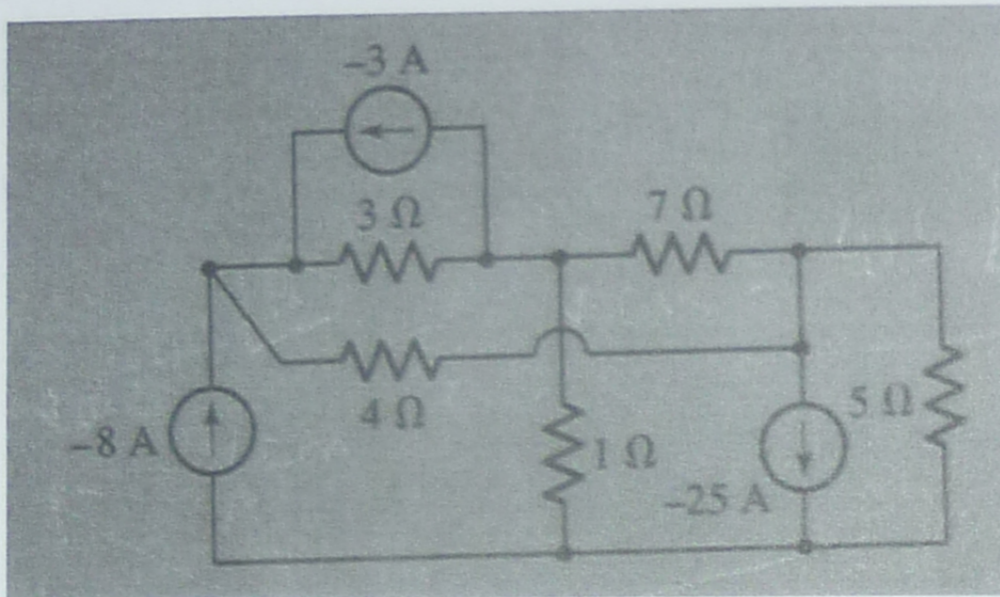


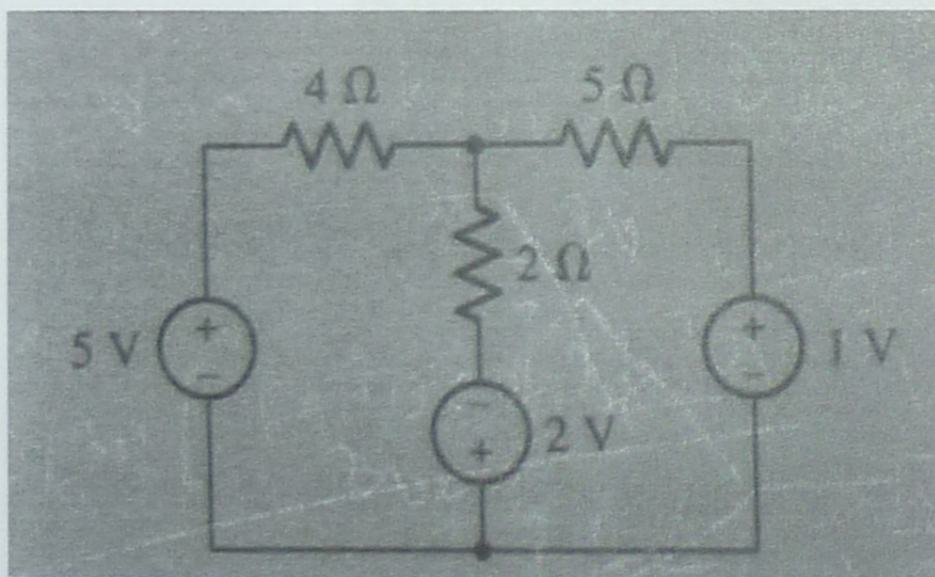
Q1

Determine the nodal voltages for the circuit



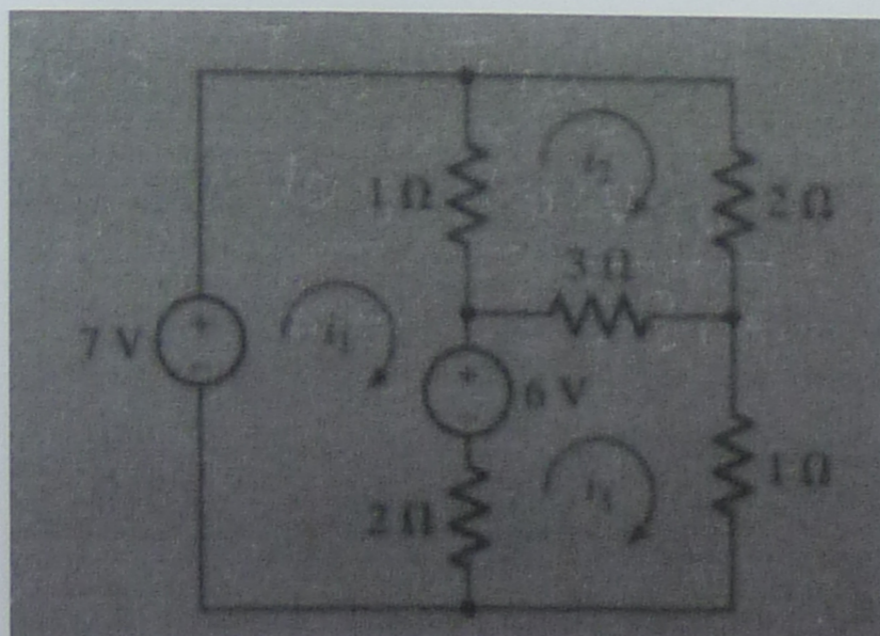
Q2

Determine the power supplied by the 2 V source



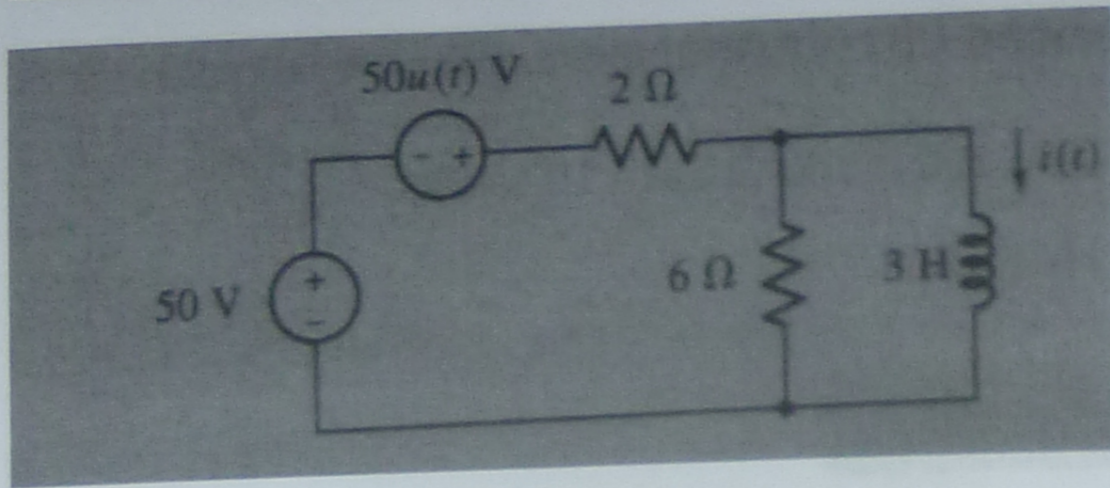
Q3

Use mesh analysis to determine the three mesh currents



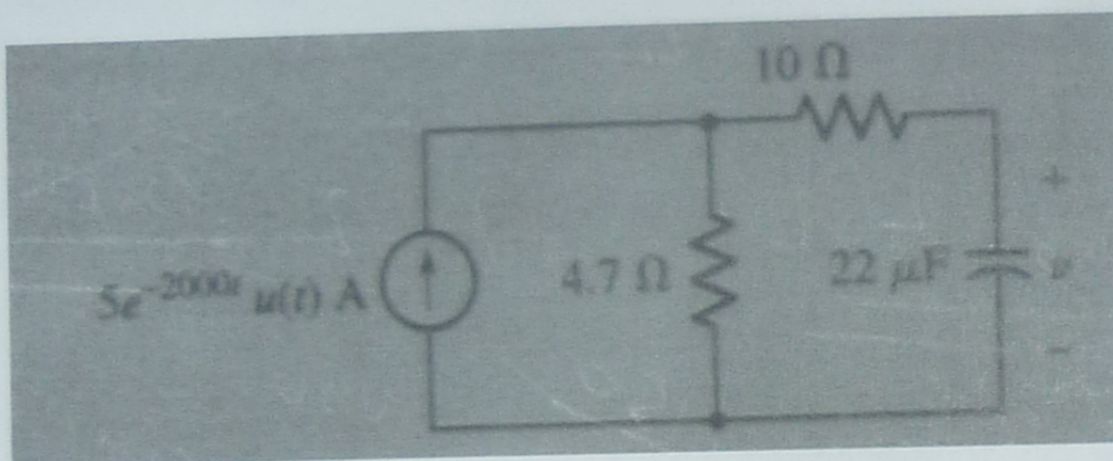
Q4

Determine $i(t)$ for all values of time in the circuit



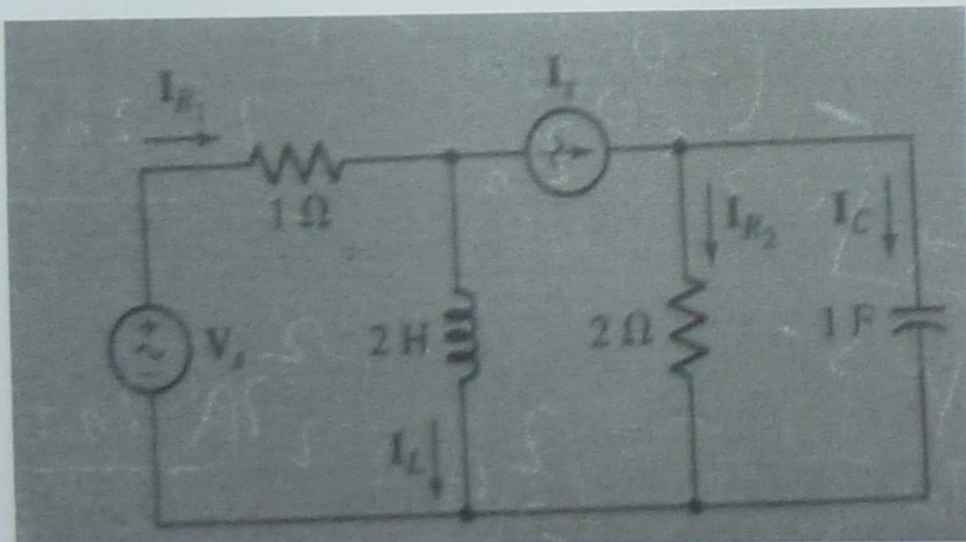
Q5

Determine an expression for $v(t)$ in the circuit



Q6

For the RLC circuit of Fig. 10.17, determine i_s and $i_c(t)$ if both sources operate at $\omega = 2$ rad/s, and $I_C = 2/28^\circ$ A.



Q7

Given the series RL circuit calculate the current through the $4\ \Omega$ resistor.

