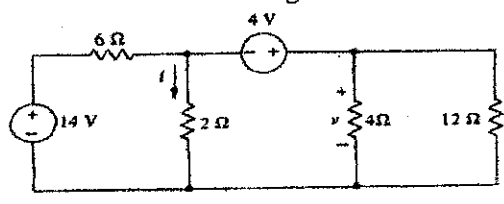
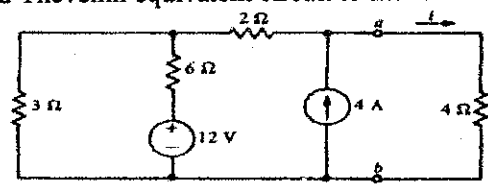


電路學 每題 20 分

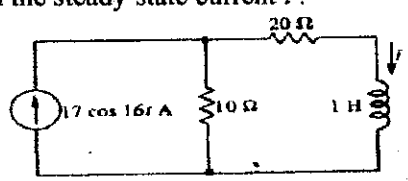
1. Find v and i of the following circuit.



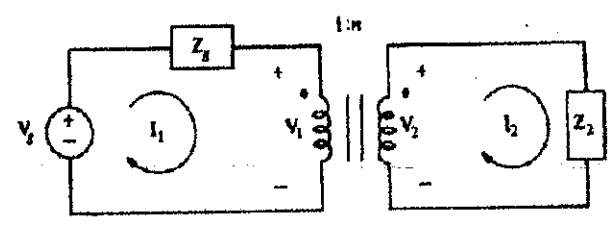
2. Find Thevenin equivalent circuit to the left of terminals a-b and find i .



3. Find the steady-state current i .



4. $V_g = 100 \angle 0^\circ \text{ V}$, $Z_g = 100 \Omega$, and $Z_2 = 90 \text{ k}\Omega$. Find n such that $Z_1 = Z_g$, and then find the power delivered to Z_2 .



5. Find the average power delivered to the 1Ω resistor.

