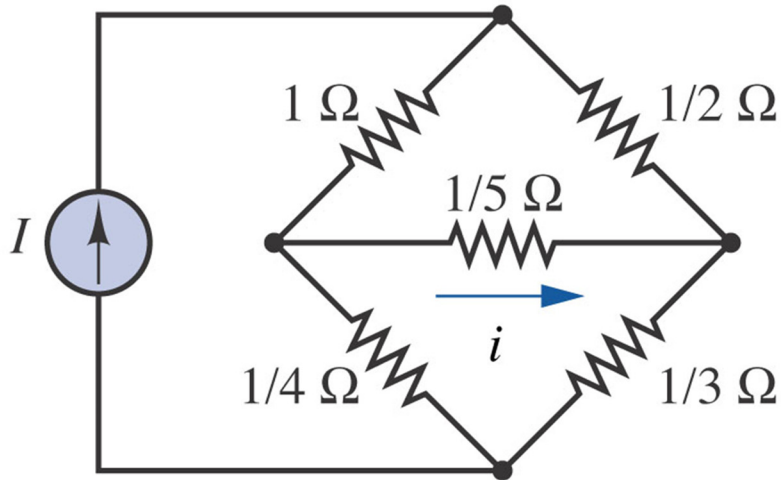
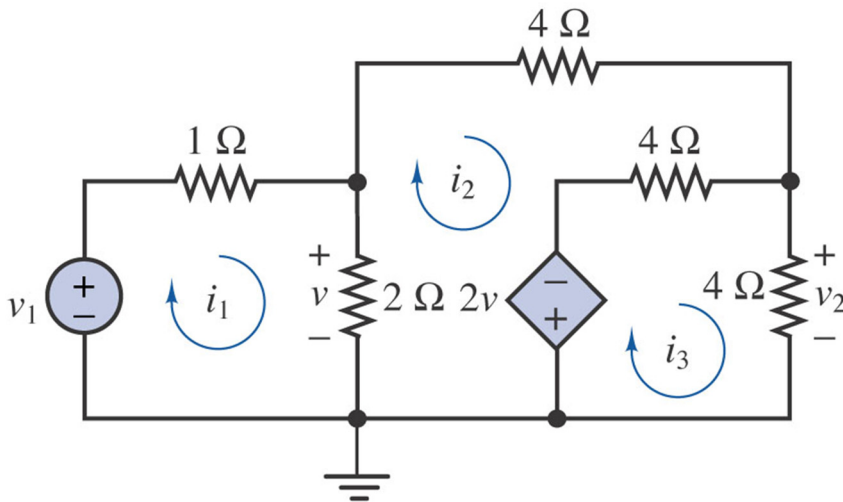


Problem 1

In the circuit below, a current source with rate current of I is connected to a resistor network. Use mesh analysis to find the current i through the $1/5 \Omega$ resistor. Express your results in terms I .

**Problem 2**

Using mesh analysis, find the voltage gain $A_v = v_2/v_1$ in the circuit below.



Problem 3

Using mesh analysis, find the voltage across the 3Ω resistor in the circuit below.

