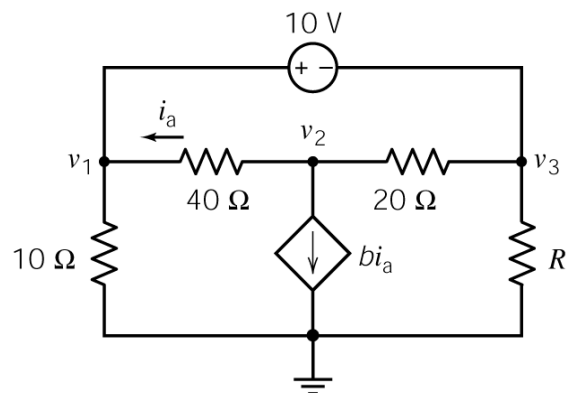
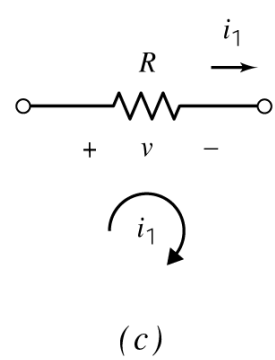
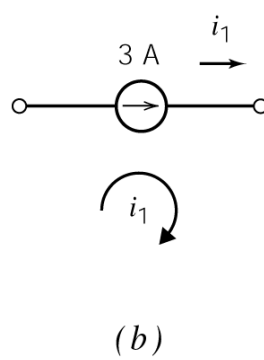
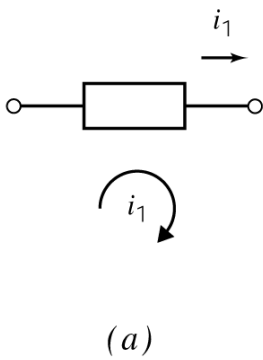
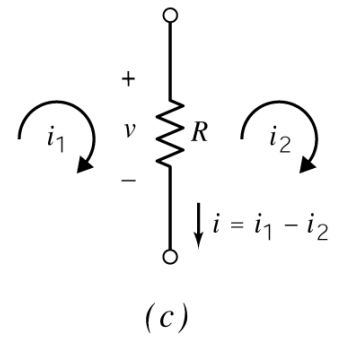
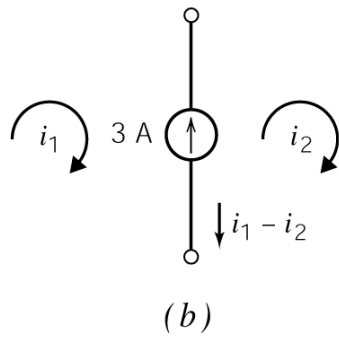
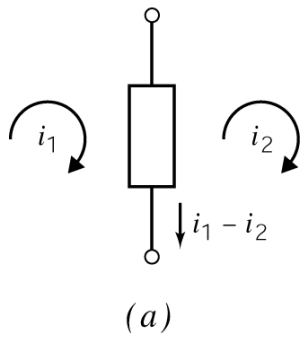


Problem 4.4-9 The node voltages in this circuit are

$$v_1 = 4 \text{ V}, \quad v_2 = 0 \text{ V}, \quad \text{and} \quad v_3 = -6 \text{ V}$$

Determine the values of the resistance, R , and of the gain, b , of the CCCS.





Problem 4.6-10 The mesh currents in this circuit are

$$i_1 = -2.2213 \text{ A}, \quad i_2 = 0.7787 \text{ A}, \quad \text{and} \quad i_3 = 0.0770 \text{ A}$$

- (a) Determine the values of the resistances R_1 and R_3 .
- (b) Determine the value of the power supplied by the current source.

