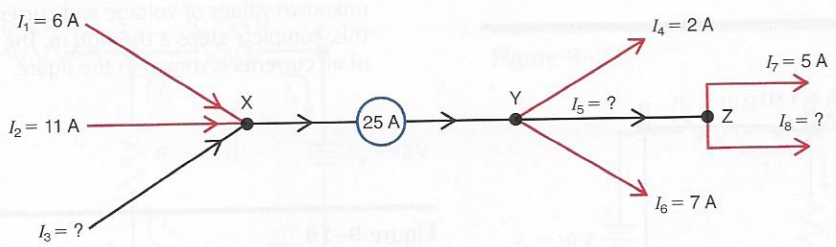
Figure 9–11



SECTION 9–2 KIRCHOFF'S VOLTAGE LAW (KVL)

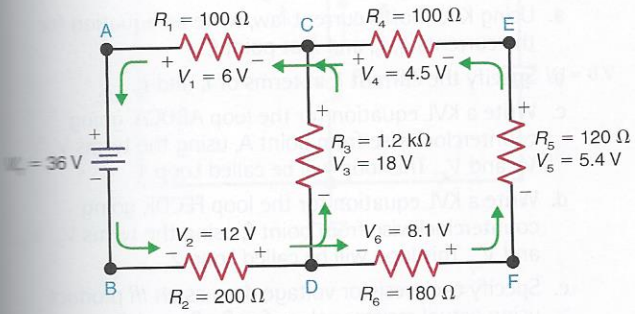
9–6 MultiSim In Fig. 9–12,

a. Write a KVL equation for the loop CEFDC going clockwise from point C.

b. Write a KVL equation for the loop ACDBA going clockwise from point A.

c. Write a KVL equation for the loop ACEFDBA going clockwise from point A.

Figure 9–12



9–7 In Fig. 9–12,

a. Determine the voltage for the partial loop CEFD going clockwise from point C. How does your answer compare to the voltage drop across R_3?

b. Determine the voltage for the partial loop ACDB going clockwise from point A. How does your answer compare to the value of the applied voltage, V_T, across points A and B?

c. Determine the voltage for the partial loop ACEFDB going clockwise from point A. How does your answer compare to the value of the applied voltage, V_T, across points A and B?

d. Determine the voltage for the partial loop CDFE going counterclockwise from point C. How does your answer compare to the voltage drop across R_4?

9–8 In Fig. 9–13, solve for the voltages V_{AG} and V_{BG}. Indicate the proper polarity for each voltage.

9–9 In Fig. 9–14, solve for the voltages V_{AG} and V_{BG}. Indicate the proper polarity for each voltage.

9–10 In Fig. 9–15, solve for the voltages V_{AG} and V_{BG}. Indicate the proper polarity for each voltage.

Figure 9–13

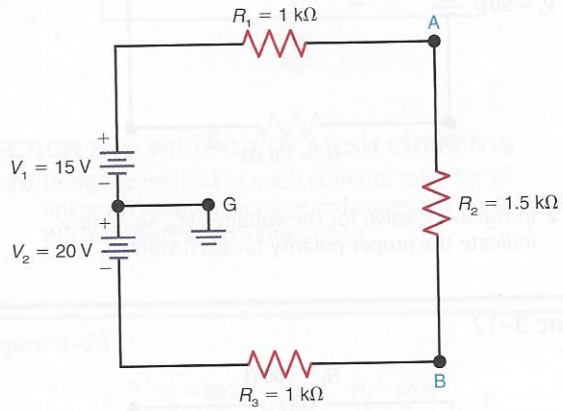


Figure 9–14

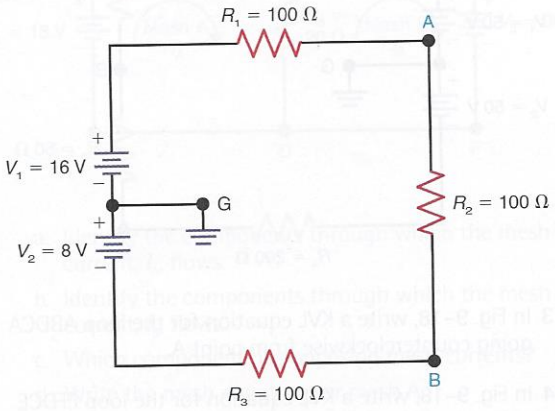


Figure 9–15