The EMFs are $E_1 = 150\, \text{V}$ and $E_2 = 50\, \text{V}$, and the resistances are $R_1 = 3.0\, \Omega$ and $R_2 = 2.0\, \Omega$.

(a) What is the magnitude of the current in resistor 1?
(b) What is the magnitude of the current in resistor 2?
(c) What is the direction of the current (clockwise or counterclockwise)?
(d) What is the voltage across resistor 1?
(e) What is the voltage across resistor 2?
(f) What is the electric potential difference $V_Q - V_P$?
(g) What is the power dissipated by resistor 1?
(h) What is the power dissipated by resistor 2?
(i) What is the total thermal energy produced by both resistors after 1 minute?