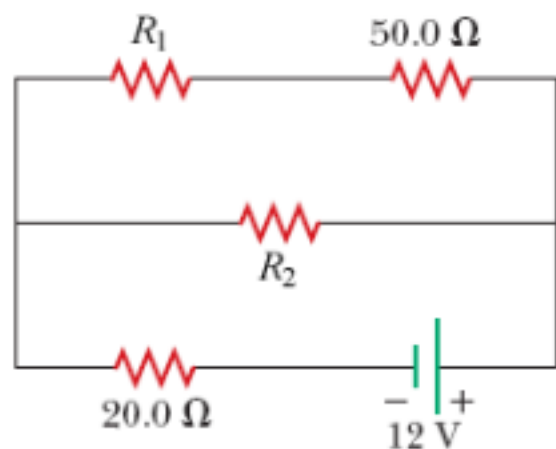Four resistors are connected to a battery with a terminal voltage of 12 V, as shown in the figure below. (Assume R_1 = 39.0 Ω and R_2 = 89.0 Ω.)

(a) How would you reduce the circuit to an equivalent single resistor connected to the battery? Use this procedure to find the equivalent resistance of the circuit.

[_____] Ω

(b) Find the current delivered by the battery to this equivalent resistance.

[_____] A

(c) Determine the power delivered by the battery.

[_____] W

(d) Determine the power delivered to the 50.0-Ω resistor.

[_____] W