Quiz 20.1D

A A 12.0-Volt battery is connected to a circuit as shown below. R1 = 1.22 Ohms, R2 = 2.55 Ohms, R3 = 3.21 Ohms, R4 = 4.75 Ohms.

- a) What is the equivalent resistance of the circuit?
- b) What is the current passing through resistor R3?
- c) If R1 is removed from the circuit, does your answer to (b) increase, decrease or remain the same? Justify your answer.

