

Quiz 20.1D

A 12.0-Volt battery is connected to a circuit as shown below. $R_1 = 1.22\ \Omega$, $R_2 = 2.55\ \Omega$, $R_3 = 3.21\ \Omega$, $R_4 = 4.75\ \Omega$.

- a) What is the equivalent resistance of the circuit?
- b) What is the current passing through resistor R_3 ?
- c) If R_1 is removed from the circuit, does your answer to (b) increase, decrease or remain the same? Justify your answer.

