Simple Circuits

Started: Jun 18 at 11:36am

Quiz Instructions

Please read the Lab Manual for the Lab "Simple Circuits" on pages 109 to 113 for the necessary information to answer the quiz questions. You have only one attempt.

Question 1	**2 pts**

Two resistors are connected in SERIES in a simple circuit. What is the total resistance of the resistors given the resistances: $R_1 = 8.2 k\Omega$, and $R_2 = 2.8 k\Omega$. Your answer should be given to the first decimal place and in $k\Omega$.

11.0000

Question 2	**2 pts**

Two resistors are connected in PARALLEL in a simple circuit. What is the total resistance of the resistors given the resistances: $R_1 = 9.0 k\Omega$, and $R_2 = 3.0 k\Omega$. Your answer should be given to the second decimal place and in $k\Omega$.

0.0833

Question 3	**3 pts**

Given the resistor network above, calculate the total resistance the points a and b, where R_1 = 5.0 $k\Omega$, R_2 = 5.0 $k\Omega$ and R_3 = 3.0 $k\Omega$. Give your answer in $k\Omega$.