Report:

I have measured currents that are given (R1, R2). They are some, where R1 is equal to calculated currents and R2 is approximately same to the calculated currents.

Since RI is lower resistance so the outcome is matched with given resistance. But RI is higher resistance so the potential energy (Volt) difference are more. This why RI, calculated currents approximately same.

From the graph we can analysis that, $R_1 = \frac{\Delta V_1}{\Delta I_1} = \frac{CV}{6mA} = 1kLL$ $R_2 = \frac{\Delta V_2}{\Delta I_2} = \frac{10V}{9mA} = 1.11kL$

RI is lower resistant which show the greater slope. But Rz is higher that give us a average slope.

This the thing I learnt from the expriment.