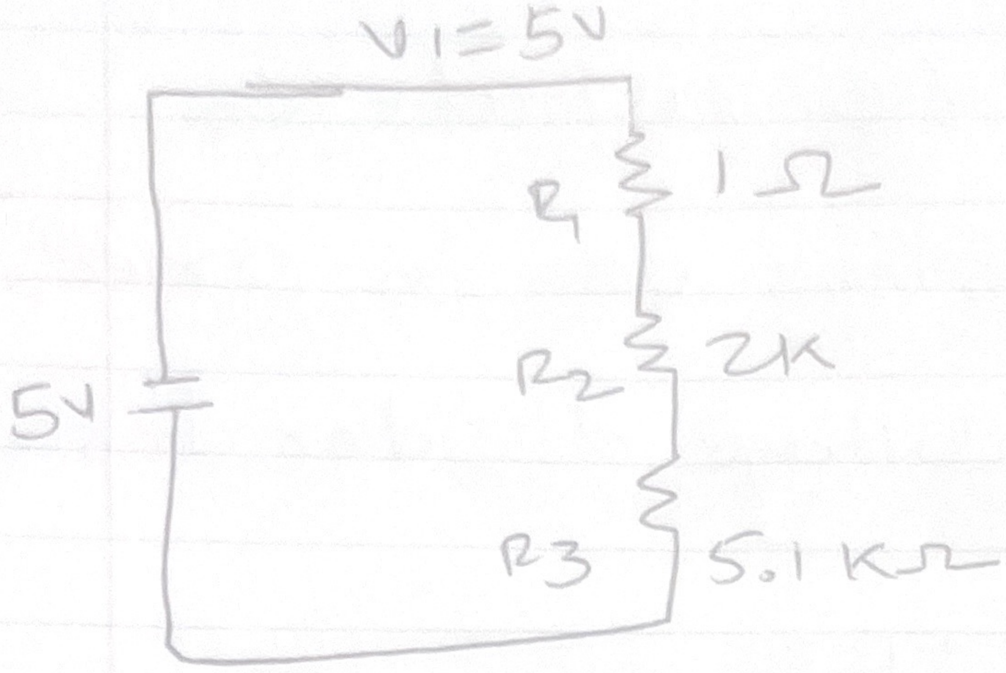

Since all Resistors are in Series

$$R_{total} = R_1 + R_2 + R_3$$

$$R_{total} = 1 + 2 + 5.1 \boxed{= 8.1\,K\Omega}$$

to find current I we can apply Ohm's Law

$$I = \frac{V}{R_{total}} = \frac{5}{8.1} = \frac{5}{8100}$$

$$= 0.000617\,A \boxed{= 617\,\mu A}$$

Voltage drop Across each Resistors

$V = IR$

V1 across $R_1 = V_1 = I.R_1 = 0.000617 \times 1 = 0.617$

$V_2 = I.R_2 = 0.000617A \times 2K\Omega = 1.234V$

$V_3 = I.R_3 = 0.000617 \times 5.1 = 3.14V$

since V1 & V4 connected to ground

$V_1 = V_4 = 0$

SO

$V_2 = V_1 -$ Voltage drop across R_1

$= 5 - 0.617 = 4.38\ V$

$V_3 = V_2 -$ Voltage drop across R_2

$= 4.38 - 1.234 = 3.14V$