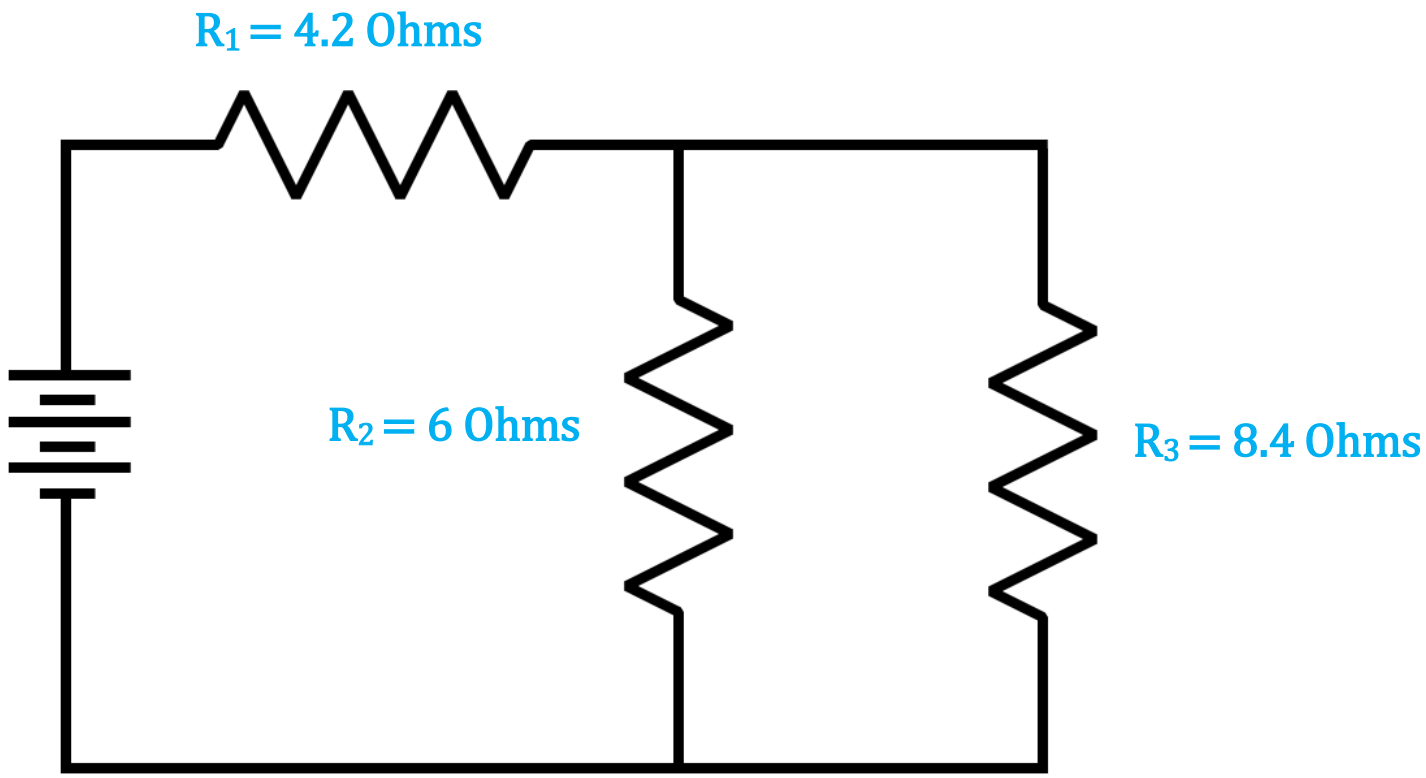
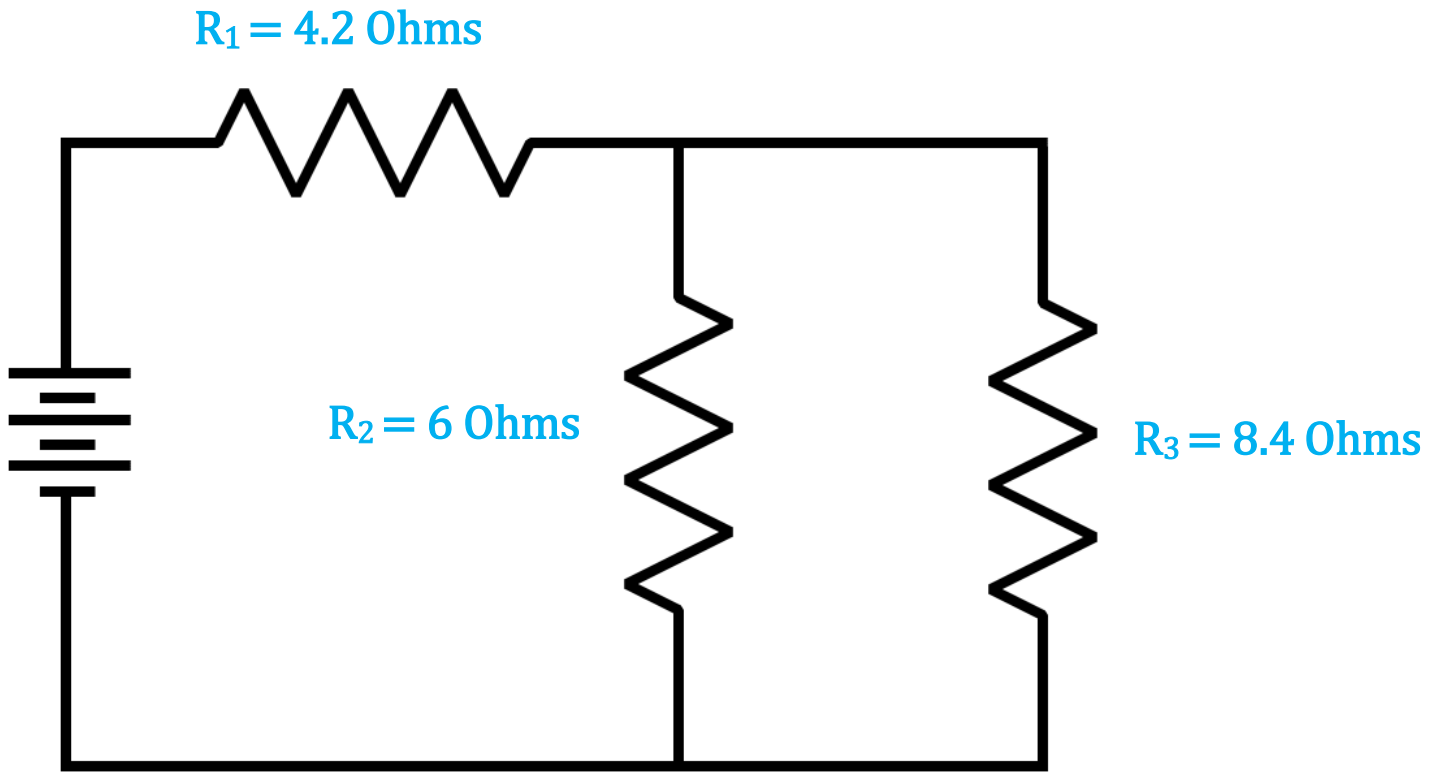
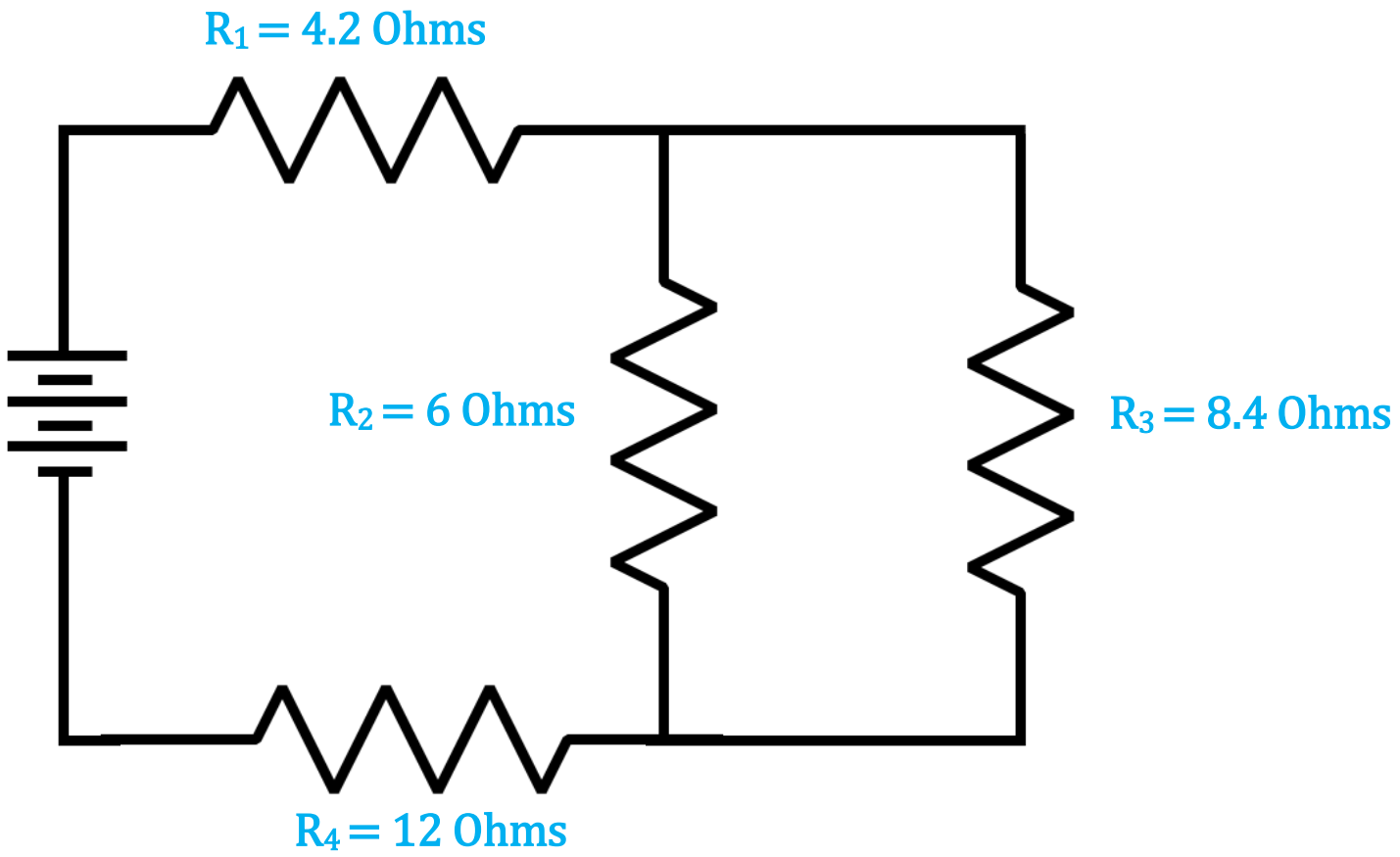
Resistance Calculation 2


$R_1 = 4.2$ Ohms
$R_2 = 6$ Ohms
$R_3 = 8.4$ Ohms



$$R_{2,3} = \frac{R_2 \times R_3}{R_2 + R_3} \qquad R_{2,3} = \frac{6 \times 8.4}{6 + 8.4} \qquad R_{2,3} = \frac{50.4}{14.4} \qquad R_{2,3} = 3.5 \text{ Ohms}$$

$$R_T = R_1 + R_{2,3} = 4.2 + 3.5 = 7.7 \text{ Ohms}$$



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$$R_T = R_1 + R_{2,3} + R_3$$

$$R_T = 4.2 + 3.5 + 12 = 19.7 \text{ Ohms}$$