

$$\frac{V}{I} = R$$

$$V = I \cdot R$$

$$6V = I \cdot 300\Omega$$

$$I = \frac{6}{300} = 0.02A$$

$$V_{AB} = 0.02A \cdot 100\Omega = 2V$$

$$V_{BC} = 0.02A \cdot 200\Omega = 4V$$

