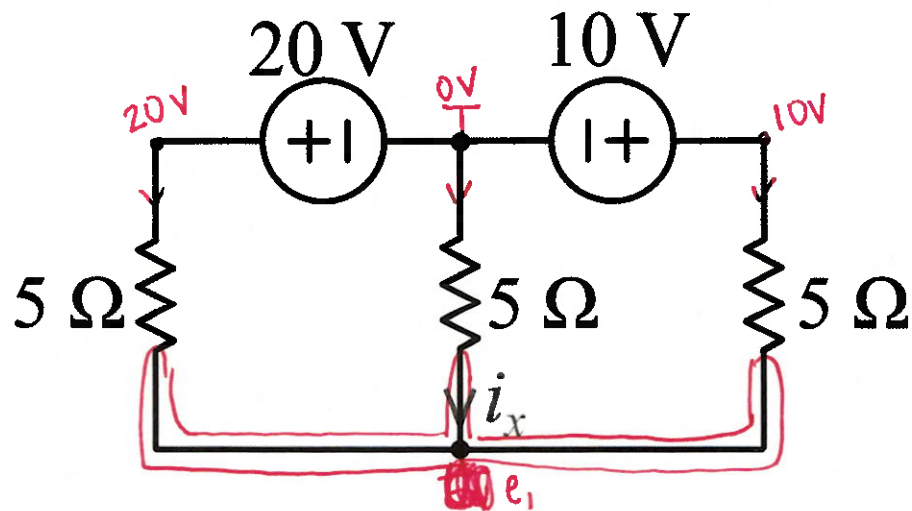


Name: Solutions

Kerberos Username: \_\_\_\_\_



$$\textcircled{e_1}: \frac{20V - e_1}{5\Omega} + \frac{0V - e_1}{5\Omega} + \frac{10V - e_1}{5\Omega} = 0$$

$$20V - e_1 - e_1 + 10V - e_1 = 0$$

$$30V = 3e_1$$

$$e_1 = 10V$$

$$i_x = \frac{0V - 10V}{5\Omega} = -2A$$