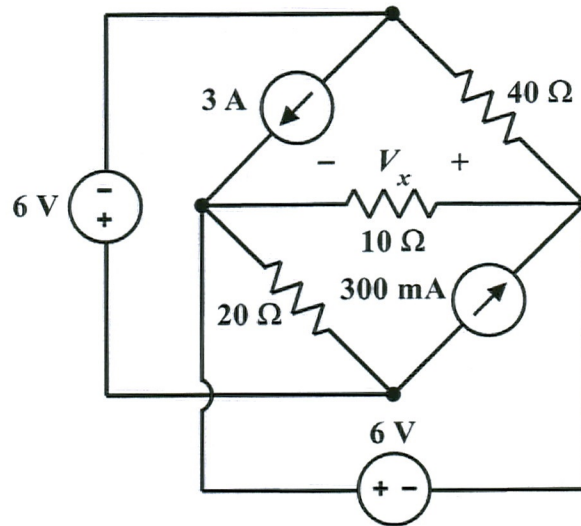
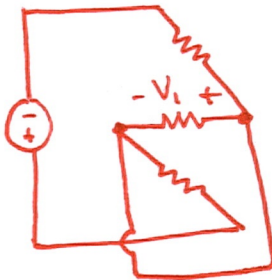


EE 2240
Homework Problem #22



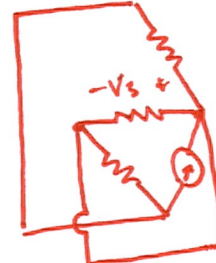
Use the superposition method to determine the value of V_x .



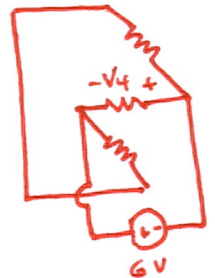
$$V_1 = 0 \text{ V}$$



$$V_2 = 0 \text{ V}$$



$$V_3 = 0$$



$$V_4 = -6 \text{ V}$$

$$\begin{aligned} V_x &= V_1 + V_2 + V_3 + V_4 \\ &= 0 + 0 + 0 - 6 \text{ V} \\ &= -6 \text{ V} \end{aligned}$$