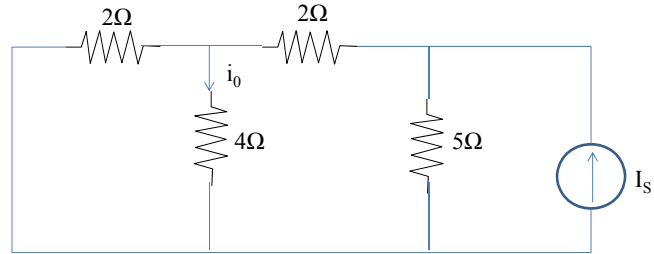
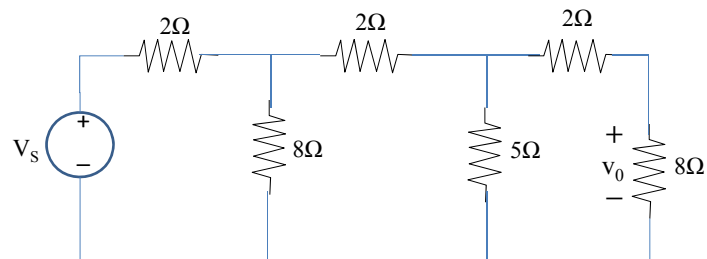


Problem 1

Find I_S so that $i_0 = 1\text{A}$. Also find i_0 for $I_S = 15\text{A}$. Use Linearity.

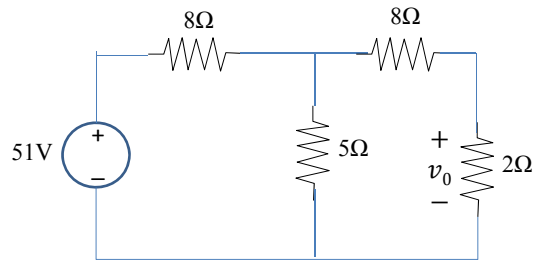
**Problem 2**

Find V_S so that $v_0 = 5\text{V}$, 8V , 3V respectively. What is v_0 when $V_S = 26\text{V}$?
Use Linearity.

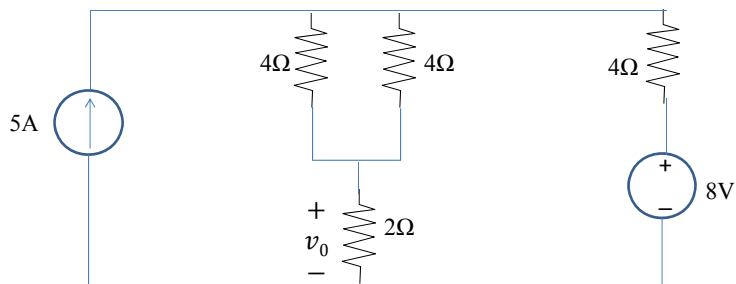


Problem 3

Apply Linearity to calculate v_0 .

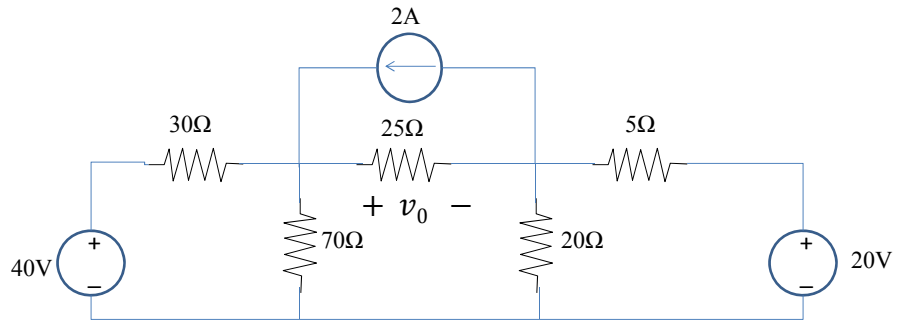
**Problem 4**

Determine v_0 by superposition. ($v_0=7V$)

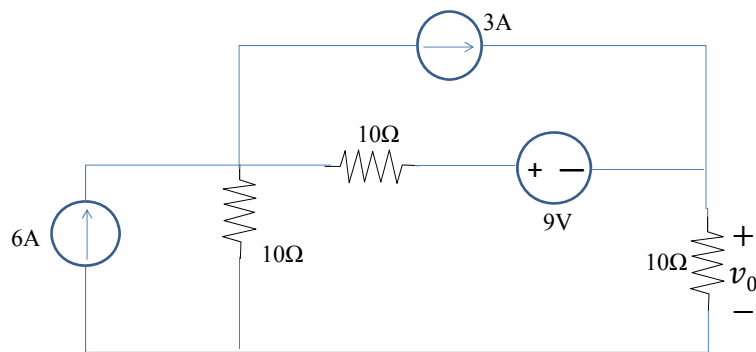


Problem 5

Use superposition to find v_0 . ($v_0=31\text{V}$)

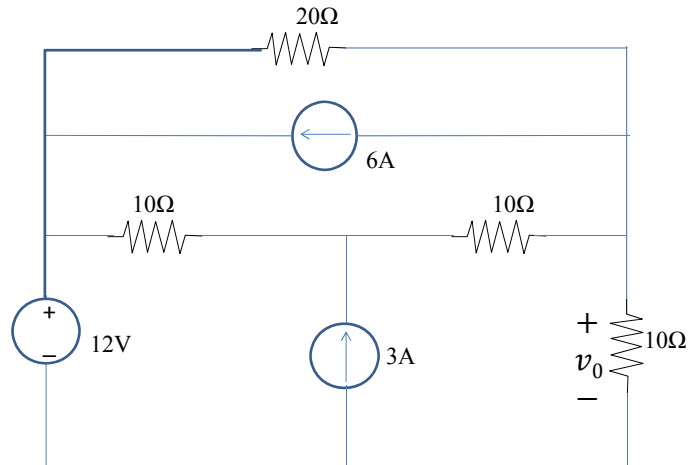
**Problem 6**

Calculate v_0 using superposition. ($v_0=27\text{V}$)

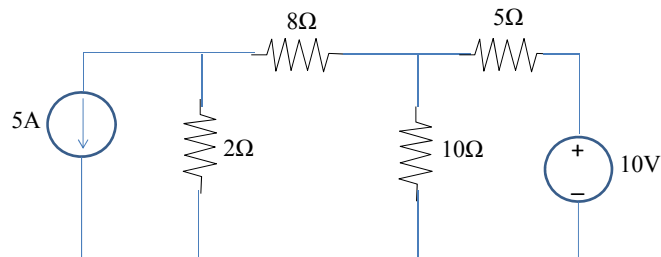


Problem 7

Apply superposition to determine v_0 . ($v_0 = -16.5\text{V}$)

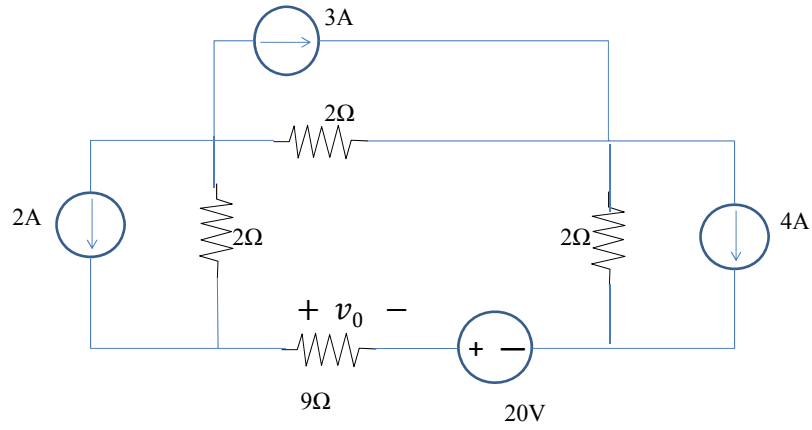
**Problem 8**

Calculate the power dissipated by the 5Ω resistor using source transformation



Problem 9

Use source transformation to determine v_0

**Problem 10**

Find v_x using source transformation.

