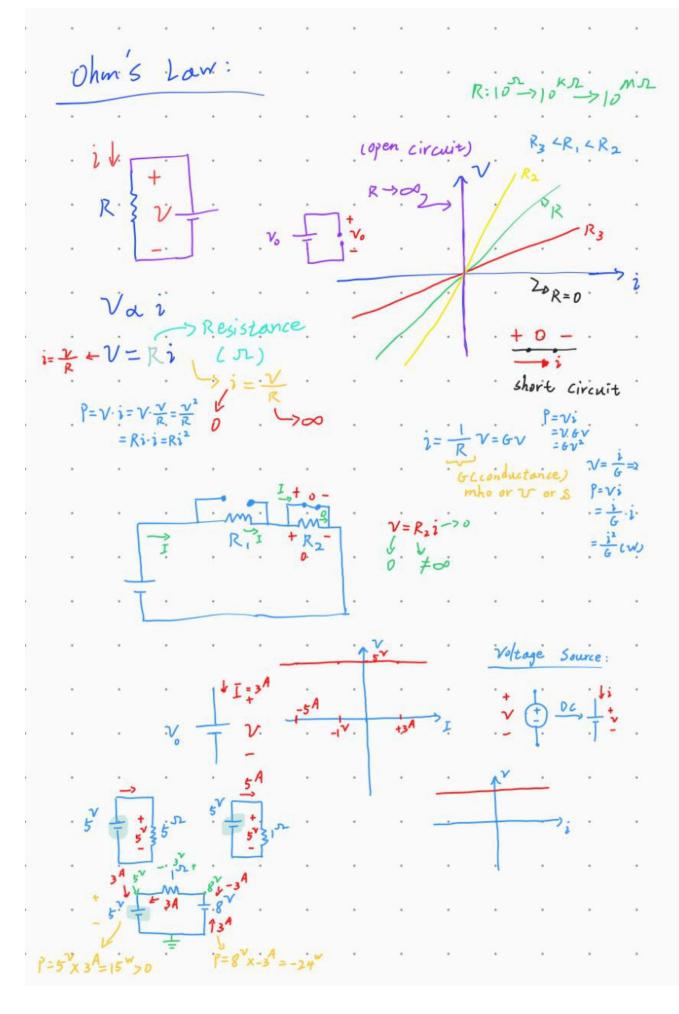
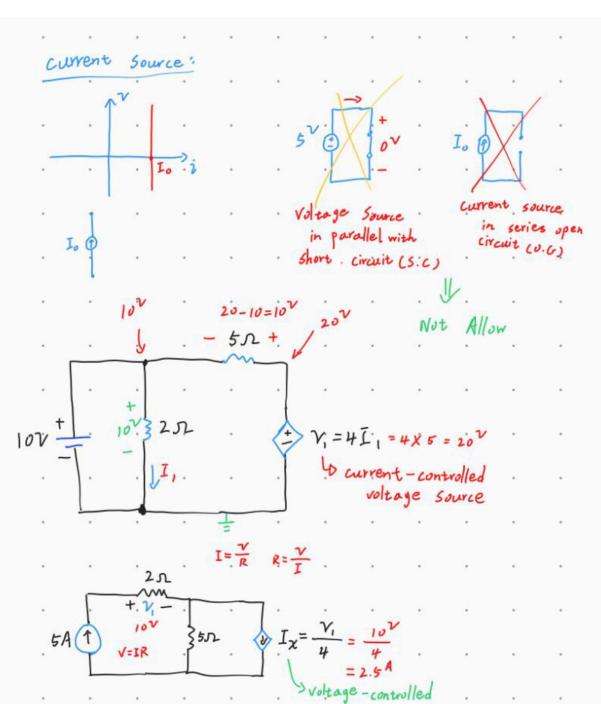
Lecture 3

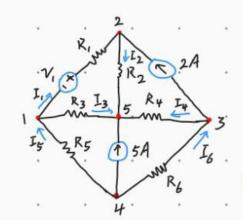




Kirchhobb's Laws:

kirchhost's Current Law (KCL):

current source

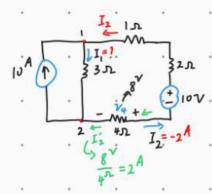


kcl at node
$$1:-I_1-I_3-I_5:=0$$

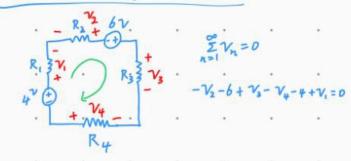
kcl at Node $2:I_1+2^A-I_2:=0$

kcl at Node $3:-I_6-I_4-2^A:=0$

kcl at Node $4:$
 $5-I_1-I_1-5:=0$



· Kirchhobb's · Voltage Law CKYLD:



$$\frac{4I_{1}}{4^{1}} = 12^{1} \times I_{1}^{2} = 12 \times (\frac{20}{7})^{2} = 97.86^{1}$$

$$\frac{1}{1} \times \frac{1}{1} \times$$