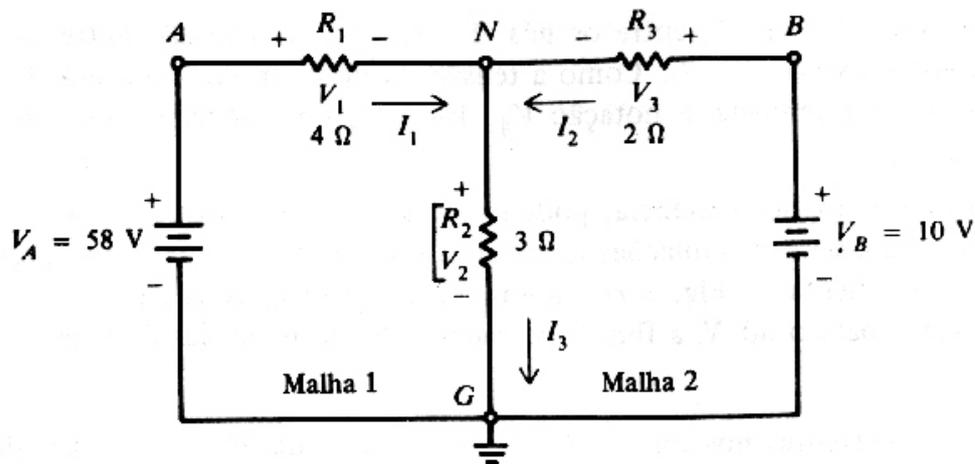


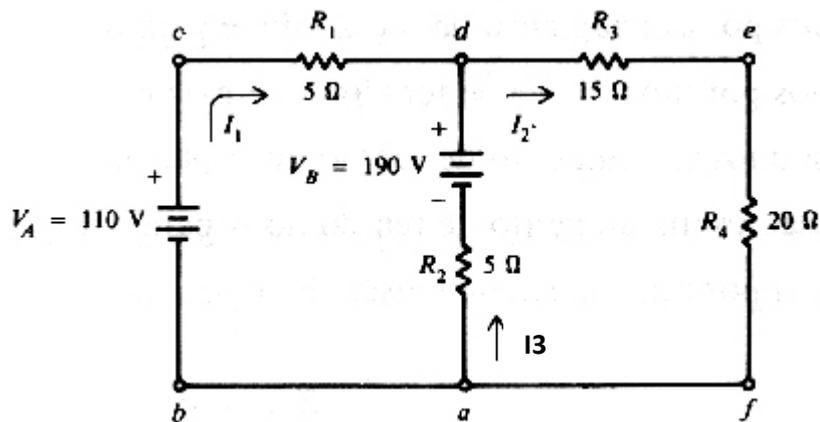
Nome: _____
Turma: _____ Data: _____

1- Calcule as correntes e tensões listadas no circuito abaixo:



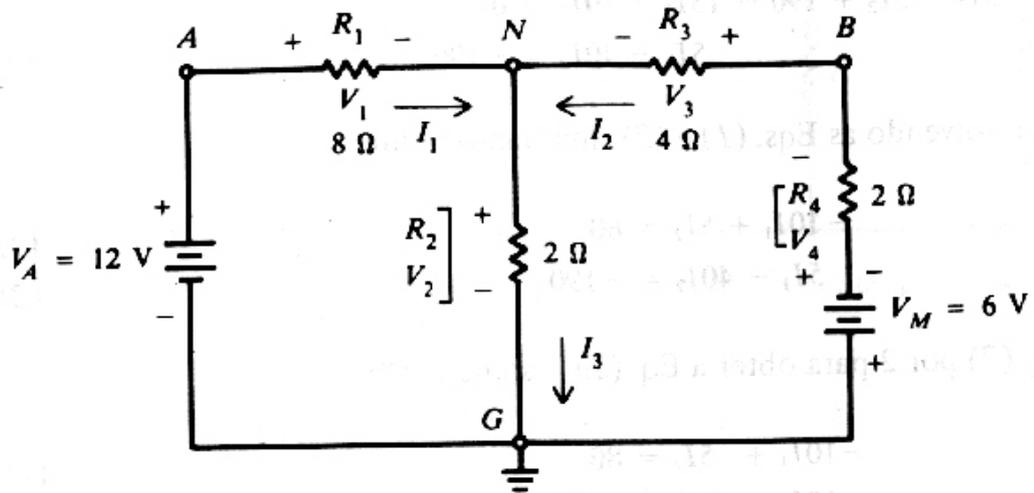
Resp.: $V_1=40V$, $V_2=18V$, $V_3=-8V$; $I_1=10A$, $I_2=-4A$, $I_3=6A$.

2- Calcule todas as correntes nas malhas e as tensões nos resistores.



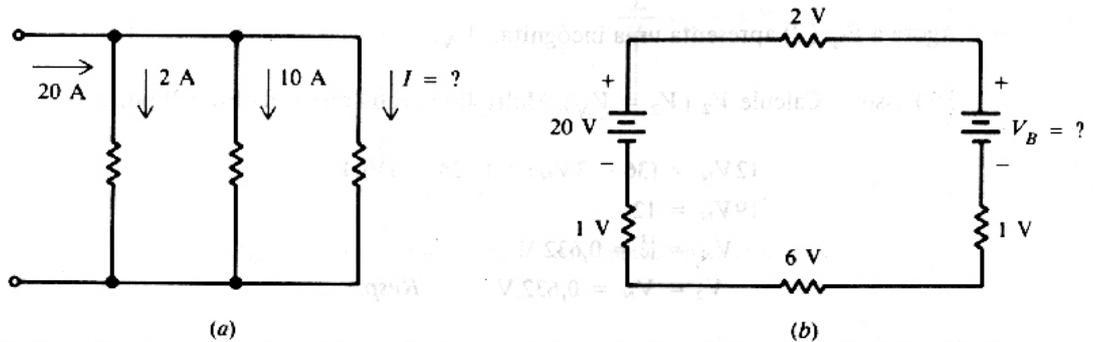
Resp.: $I_1=-6A$, $I_2=4A$, $I_3=10A$; $V_1=30V$, $V_2=50V$, $V_3=60V$, $V_4=80V$

3- Calcule as correntes e tensões no circuito abaixo.



Resp.: $V_2 = 0,632\text{V}$

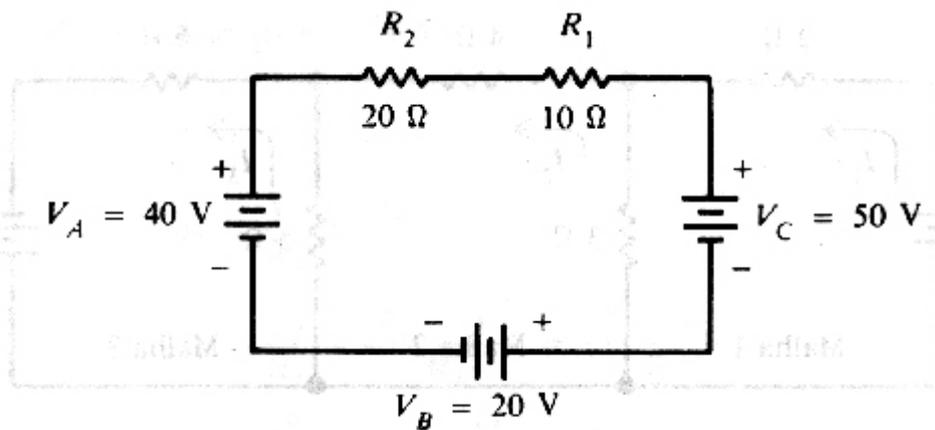
4- Calcule as variáveis desconhecidas nos circuitos abaixo:



Resp.:

(a) $I = 8\text{ A}$ (b) $V_B = 10\text{ V}$

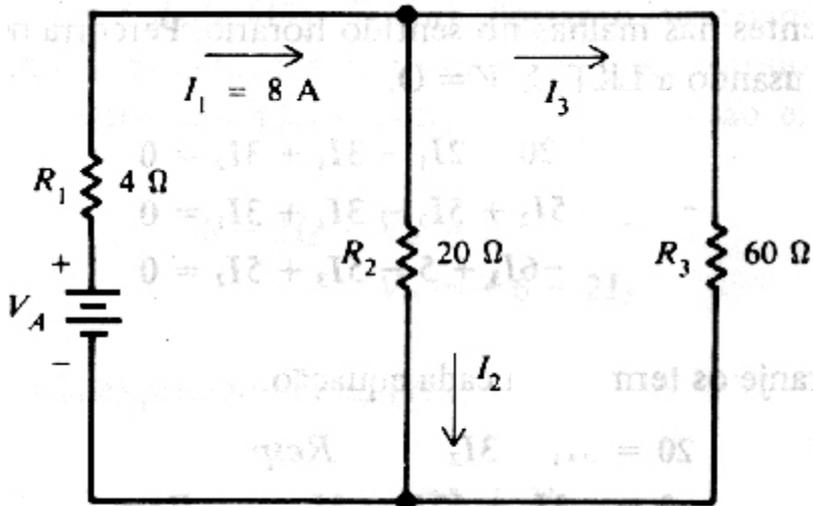
5- Calcule a corrente e as tensões nos resistores do circuito abaixo.



Resp.:

$I = 1\text{ A}; V_1 = 10\text{ V}; V_2 = 20\text{ V}$

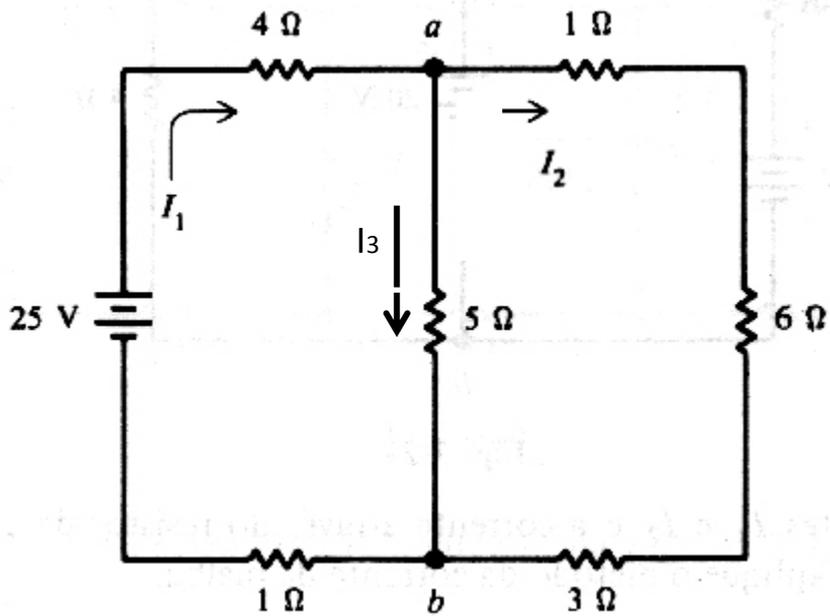
6- Calcule I_2 , I_3 e V_A .



Resp.:

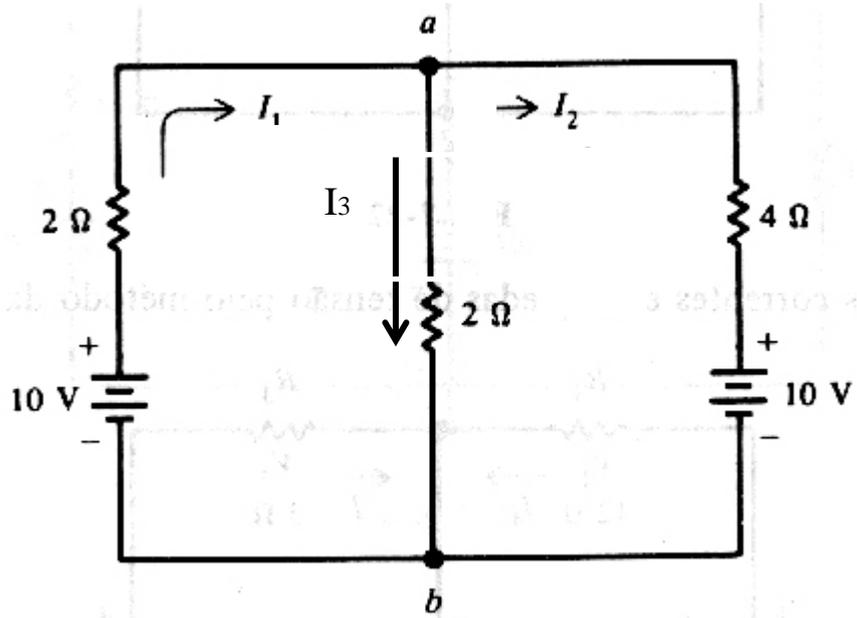
$$I_2 = 6 \text{ A}; I_3 = 2 \text{ A}; V_A = 152 \text{ V}$$

7- Calcule todas as correntes pela lei das malhas no circuito abaixo.



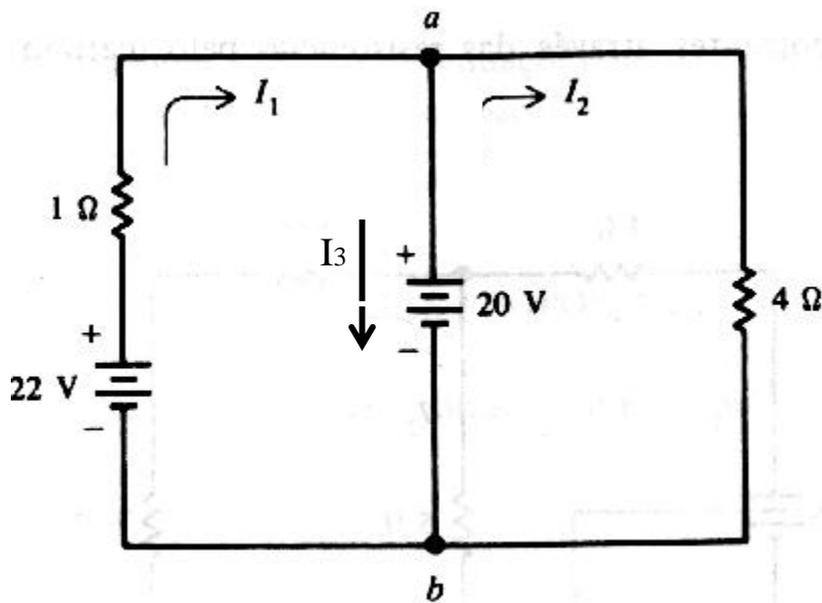
Resp.: $I_1=3\text{A}$, $I_2=1\text{A}$, $I_3=2\text{A}$.

8- Calcule as correntes no circuito abaixo.



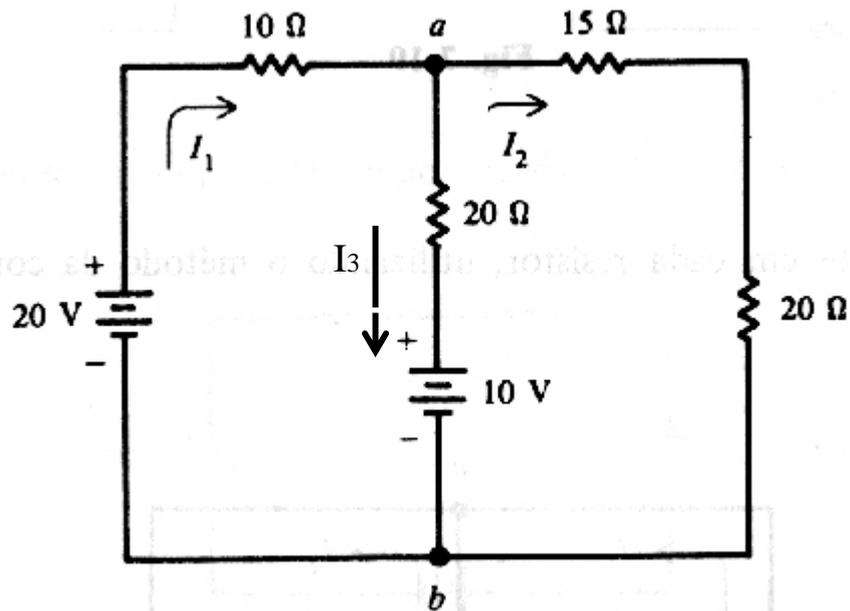
Resp.: $I_1=2\text{A}$, $I_2=-1\text{A}$, $I_3=3\text{A}$.

9- Calcule as correntes no circuito abaixo usando a lei das malhas e dos nós.



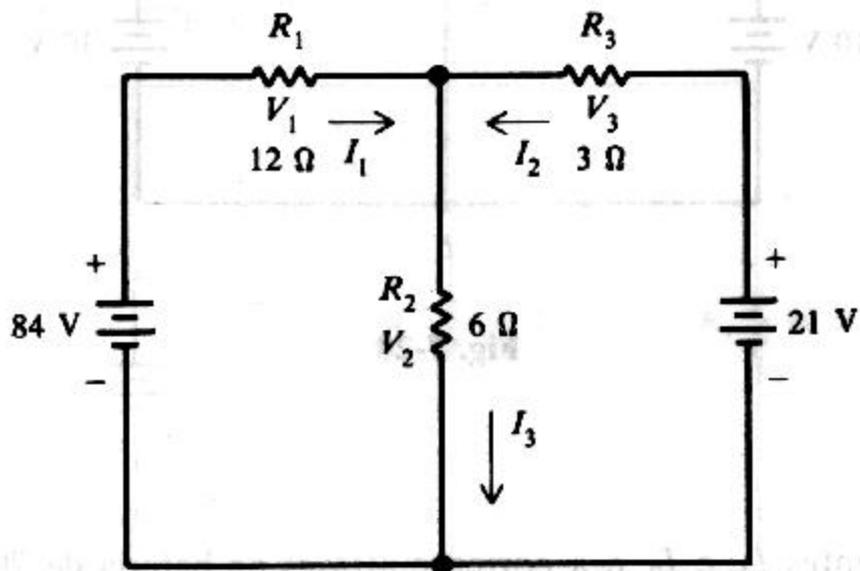
Resp.: $I_1=2\text{A}$, $I_2=5\text{A}$, $I_3=3\text{A}$.

10- Calcule as correntes I_1 e I_2 e I_3 no circuito abaixo.



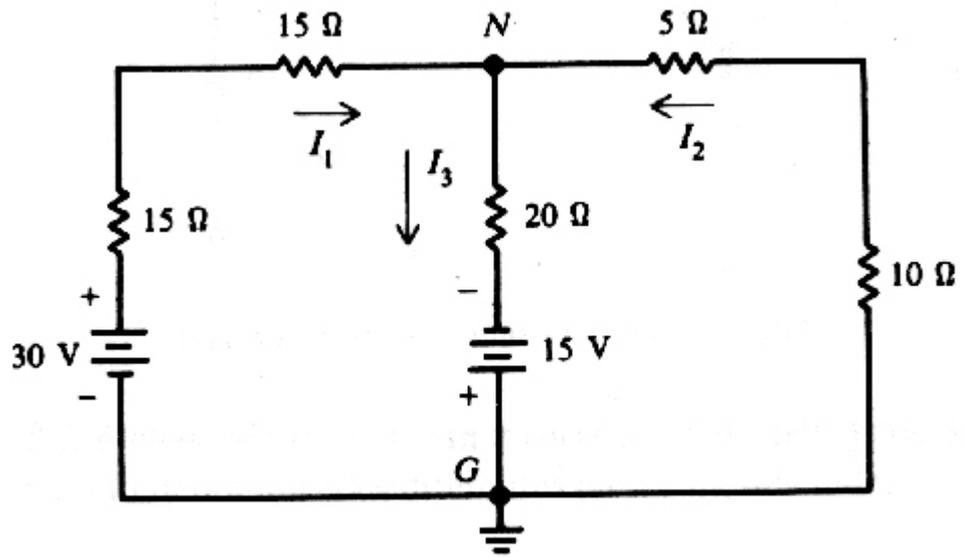
Resp.: $I_1=0.6A$, $I_2=0.4A$, $I_3=0,2A$.

11- Calcule as correntes I_1 , I_2 e I_3 no circuito abaixo.



Resp.: $I_1=5A$, $I_2=-1A$, $I_3=4A$; $V_1=60$, $V_2=24V$, $V_3=3V$

12- Calcule todas as correntes e tensões do circuito abaixo.



Resp.: $I_1=0,94\text{A}$, $I_2=-0,11\text{A}$, $I_3=0,83\text{A}$