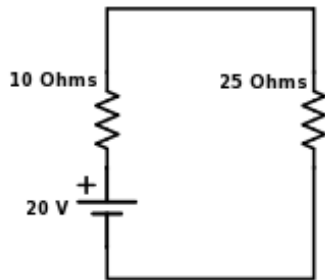


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Calcule a corrente e os demais valores nos circuitos abaixo utilizando as resistências dadas e as tensões das fontes de energia.

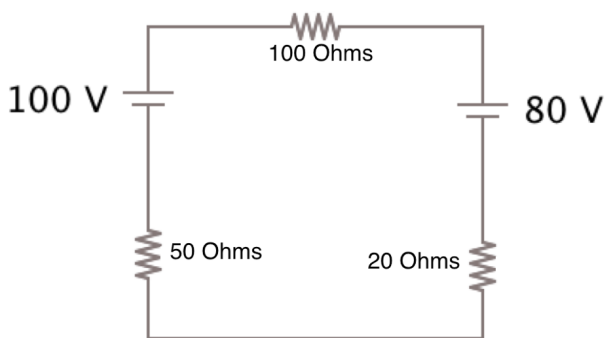
1)



Respostas:

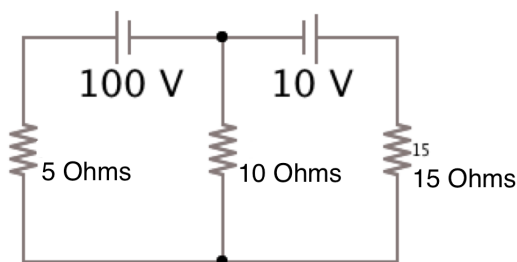
- $R = 10 \Omega$
- $I = 571.43 \text{ mA}$
- $V = 5.71 \text{ V}$
- $P = 3.27 \text{ W}$
- $R = 25 \Omega$
- $I = 571.43 \text{ mA}$
- $V = 14.29 \text{ V}$
- $P = 8.16 \text{ W}$

2)



- $R = 100 \Omega$
- $I = 117.65 \text{ mA}$
- $V = 11.76 \text{ V}$
- $P = 1.38 \text{ W}$
- $R = 20 \Omega$
- $I = 117.65 \text{ mA}$
- $V = 2.35 \text{ V}$
- $P = 276.82 \text{ mW}$
- $R = 50 \Omega$
- $I = 117.65 \text{ mA}$
- $V = 5.88 \text{ V}$
- $P = 692.04 \text{ mW}$

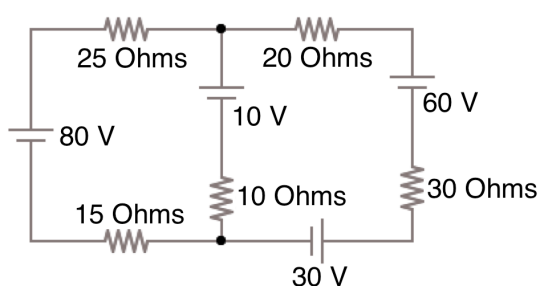
3)



- $R = 5 \Omega$
- $I = 8.73 \text{ A}$
- $V = 43.64 \text{ V}$
- $P = 380.83 \text{ W}$
- $R = 15 \Omega$
- $I = 3.09 \text{ A}$
- $V = 46.36 \text{ V}$
- $P = 143.31 \text{ W}$

- $R = 10 \Omega$
- $I = 5.64 \text{ A}$
- $V = 56.36 \text{ V}$
- $P = 317.69 \text{ W}$

4)



- $R = 25 \Omega$
- $I = 1.17 \text{ A}$
- $V = 29.31 \text{ V}$
- $P = 34.36 \text{ W}$
- $R = 15 \Omega$
- $I = 1.17 \text{ A}$
- $V = 17.59 \text{ V}$
- $P = 20.62 \text{ W}$
- $R = 20 \Omega$
- $I = 1.14 \text{ A}$
- $V = 22.76 \text{ V}$
- $P = 25.9 \text{ W}$
- resistor
- $I = 1.14 \text{ A}$
- $V_d = 34.14 \text{ V}$
- $R = 30 \Omega$
- $P = 38.85 \text{ W}$
- $R = 10 \Omega$
- $I = 2.31 \text{ A}$
- $V = 23.1 \text{ V}$
- $P = 53.38 \text{ W}$