Prénom : _____ PHYS 8

MOCK TEST 2	Branchements en série ou en parallèle

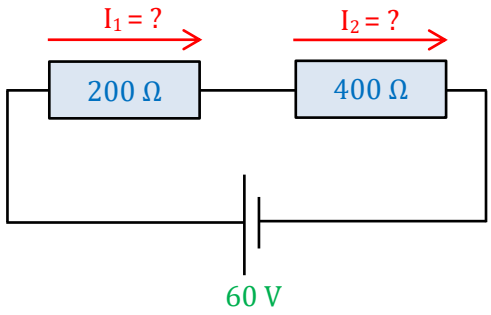
Le Châtelard

série
$I = \frac{U}{R_1 + R_2}$

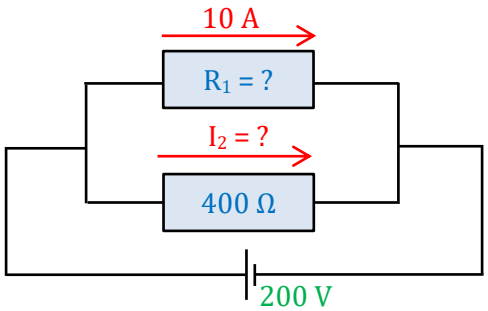
parallèle		
$I_1 = \frac{U}{R_1}$	$I_2 = \frac{U}{R_2}$	$I = I_1 + I_2$

Trouvez les valeurs indéterminées *(find the unknown values)* :

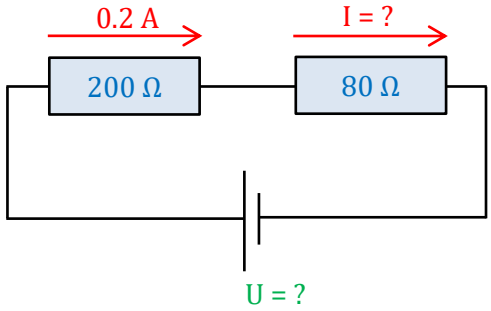
a)



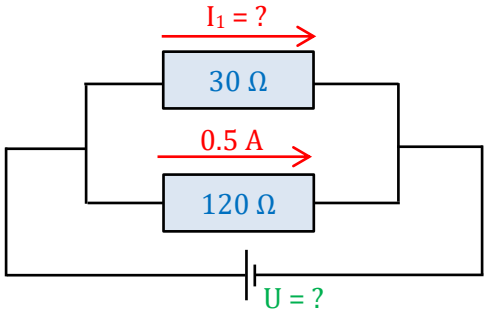
b)



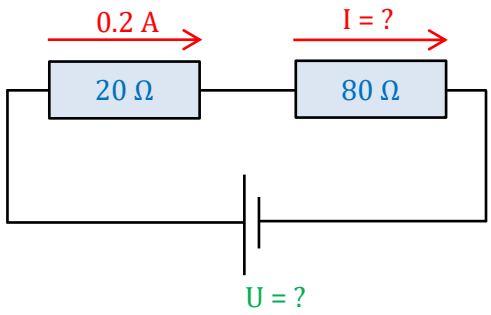
c)



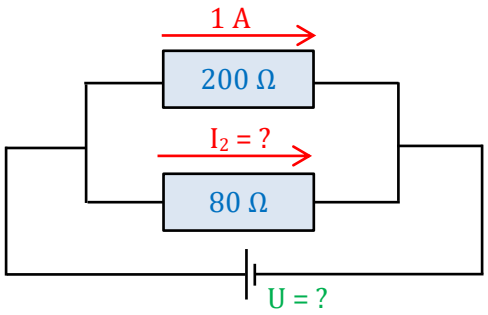
d)



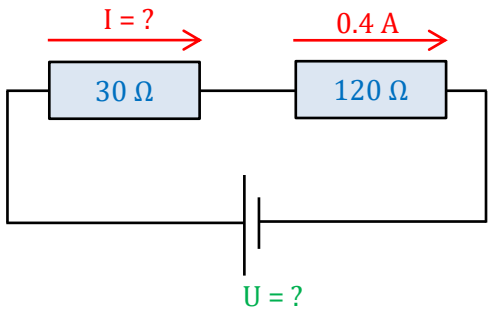
e)


0.2 A
I = ?
20 Ω
80 Ω
U = ?

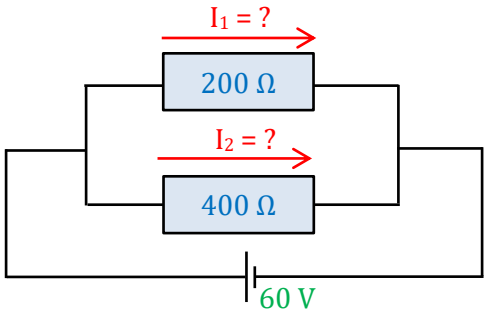
f)


1 A
200 Ω
I2 = ?
80 Ω
U = ?

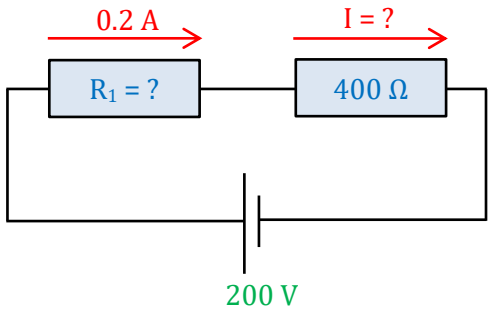
g)


I = ?
0.4 A
30 Ω
120 Ω
U = ?

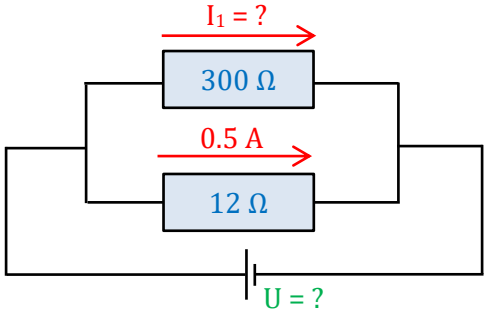
h)


I1 = ?
200 Ω
I2 = ?
400 Ω
60 V

i)


0.2 A
I = ?
R1 = ?
400 Ω
200 V

j)


I1 = ?
300 Ω
0.5 A
12 Ω
U = ?