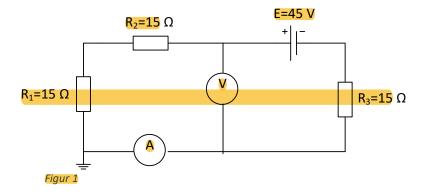
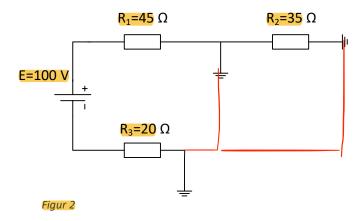
Oppgave 1

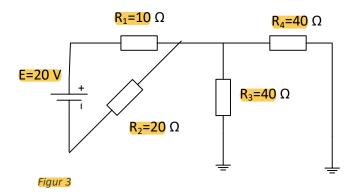
a) Bestem strømmen og spenningen som måles med amperemeteret og voltmeteret i figur 1.



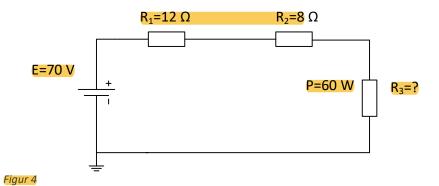
b) Bestem strømmen gjennom R₂ og R₃ i figur 2:



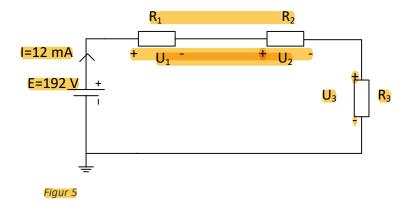
c) Bestem strømmen gjennom R₂ og R₃ i figur 3.



d) Bestem R₃ i figur 4.

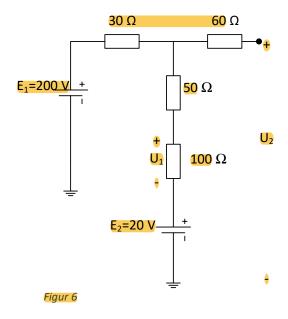


e) Bestem resistansene i figur 5 når U₂=3U₁, og U_{R3}=4U₁.

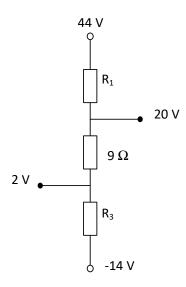


Oppgave 2

a) Bestem spenningene, U₁ og U₂, uten å beregne strømmen (figur 6);

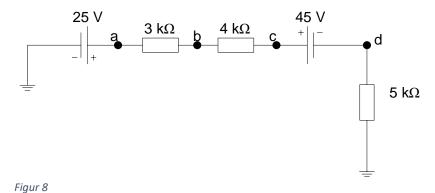


b) Bestem R_1 og R_3 i figur 7.



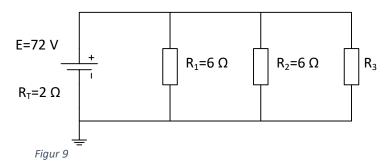
Figur 7

c) Bestem potensialene i a, b, c, d og e i figur 8. Bestem spenningene Uac og Ucb.

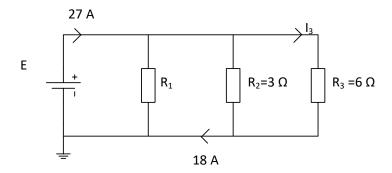


Oppgave 3

a) Bestem effekten som utvikles i R_3 når R_T er 2 Ω (figur 9).

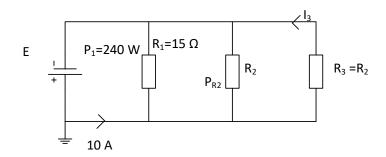


b) Bestem E, R_1 og I_3 fra figur 10.



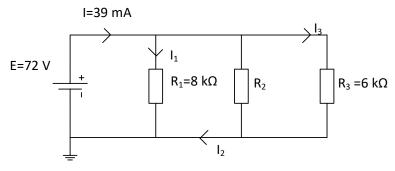
Figur 10

c) Bestem E, I_3 , R_2 , R_3 og P_{R2} i figur 11.



Figur 11

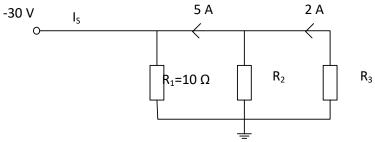
d) Bestem I_1 , I_2 , R_2 og I_3 i figur 12.



Figur 12

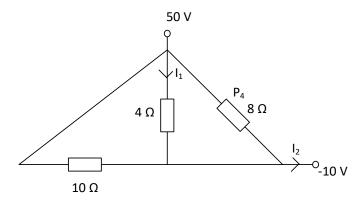
Oppgave 4

a) Bestem R_2 , R_3 og I_5 i figur 13.



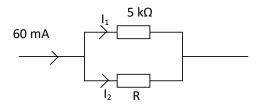
Figur 13

b) Bestem I_1 , I_2 og P_4 i figur 14.



Figur 14

c) Bestem R, I_1 og I_2 i figur 15 når I_1 =3 I_2 .



Figur 15