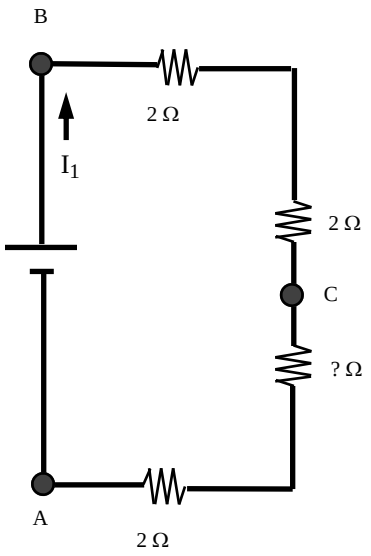
Test 4 Circuits Review

1.



V_{AB} = 50 V

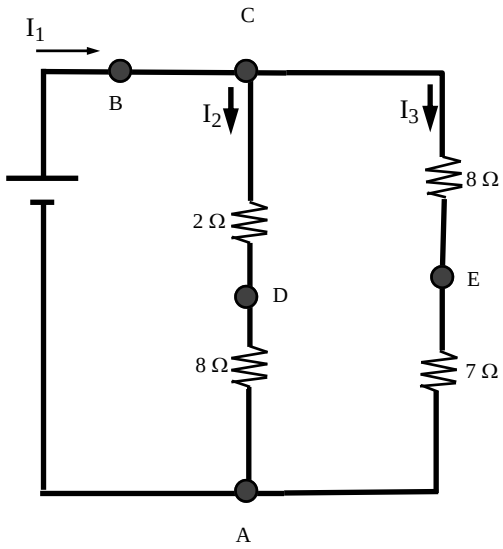
V_{CB} = 20 V

V_{AC} = _____

I_1 = _____

R_T = _____

2.



V_{AB} = _____

V_{CB} = _____

V_{CE} = _____

V_{AE} = _____

V_{AD}= _____

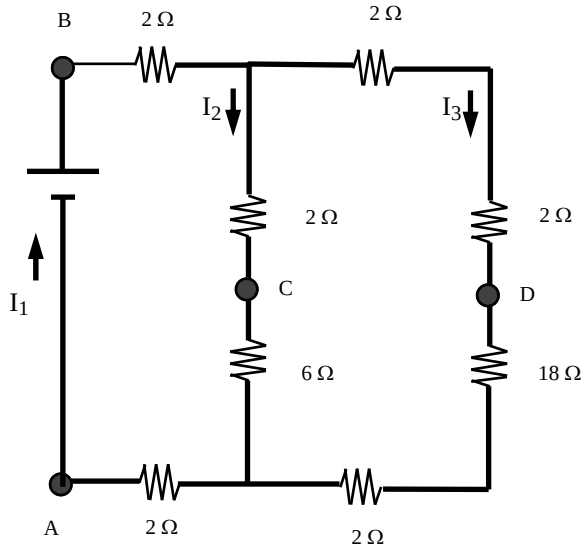
I_1 = 15 A

I_2 = _____

I_3 = _____

R_T = _____

3.



V_{AB} = _____

V_{AC}= _____

V_{BC}= ____

V_{AD}= _____

V_{DB} = _____

I_1 = _____

I_2 = 6A

I_3 = _____

R_T= _____

Review HW 4.1
You need to be able to solve problems using the following formulas:

$Q = It$ $V = IR$ $P = E/t$ $P = VI$ $P = I^2R$ $P = V^2/R$

Review HW 4.2, HW 4.3, HW 4.4 and HW 4.5

You will need to be able to analyze series, parallel and combination circuits. You **MUST** draw and label all current and voltage arrows in order to receive full credit.