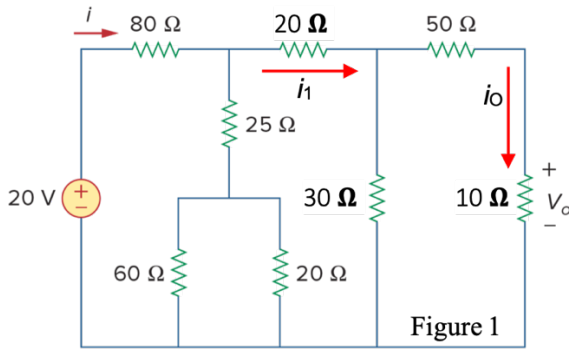
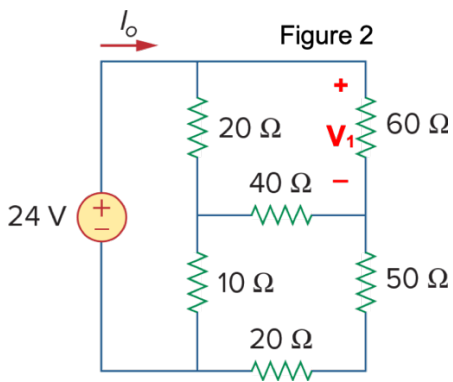


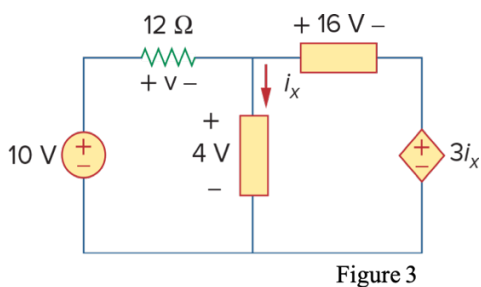
1. (20%) Find i , i_1 , i_o , and V_o in the circuit of Fig. 1.



2. (20%) Calculate I_o and V_1 in the circuit of Fig. 2.



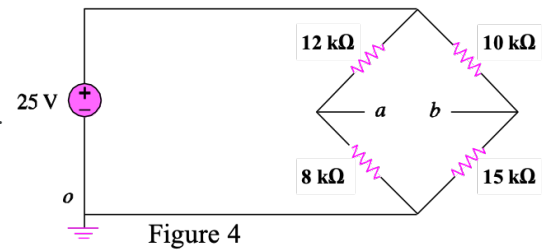
3. (20%) Calculate V and i_x in the circuit of Fig. 3.



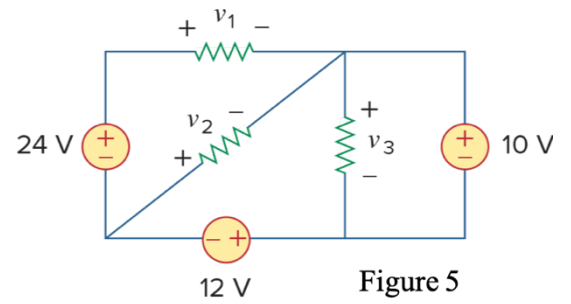
4. (30%) Consider the *Wheatstone* Bridge shown in Fig. 4.

(A) (15%) Calculate v_a , v_b , and v_{ab} ,

(B) (15%) Recalculate v_a , v_b , and v_{ab} , if the ground is placed at ***a*** instead of ***o***.



5. (15%) Obtain v_1 through v_3 in the circuit of Fig. 5.



6. (20%) Calculate V_o and I_o in the circuit of Fig. 6.

