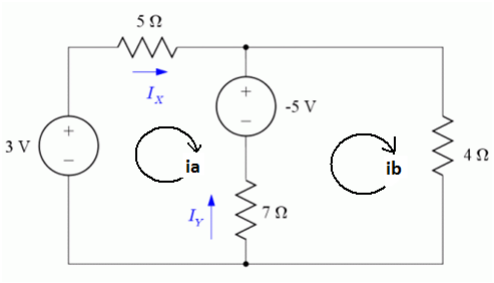
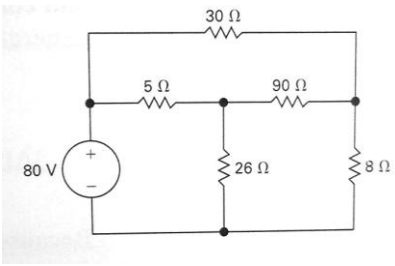
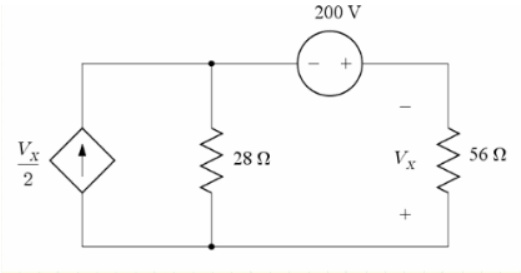
1) Use mesh analysis to determine Ia and Ib
Ia = 639 mA; Ib = -48 mA
Then find BRANCH currents Ix, Iy (639,-687)



2) Find a) three mesh currents, [5,2.5,2]
b) Power of 80V source (-400W del)



3) Use MC to find Vx. [Vx = -12.9 V]



4) Use SUPERMESH to find the ia, ib and power associated with each voltage source.

Ia = 6.12 mA. Ib = -5.88 mA, P1.5 = 9.18 mW; P3.0 = 17.6 mW