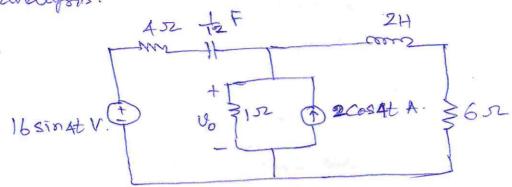
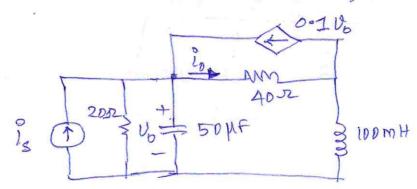
## Intotial Sheet-2



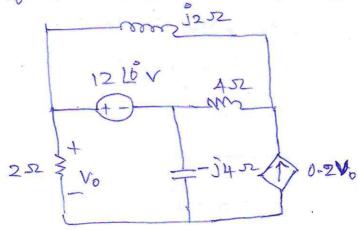
1 Determine Vo in the circuit below, using nodal analysis.



Delew. Let is = 6 cos (200+15) A.

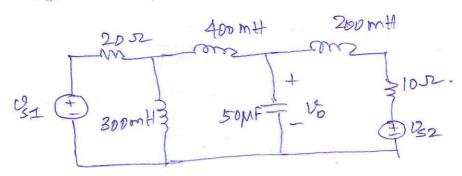


3 Obtain Vo in the circuit below, using nodal Analysis.

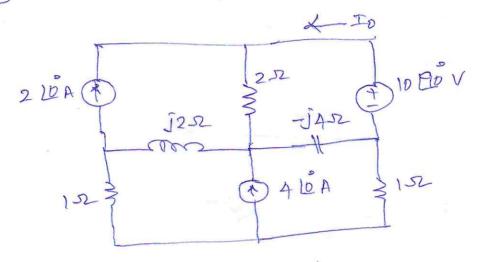




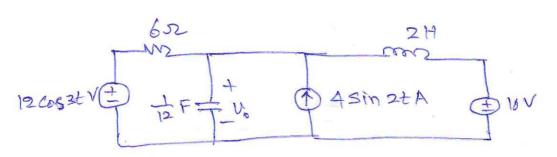
4) Use mesh analysis to find up in the circuit belove. Let USI = 120 COS (100+ 40) V- B2= 80 COB 100+ V.



Using mesh analysis, Obtain to in the circuit below.



6 Solve for UCt) in the circuit below, using superposition franciple



Determine is in the circuit below using superposition

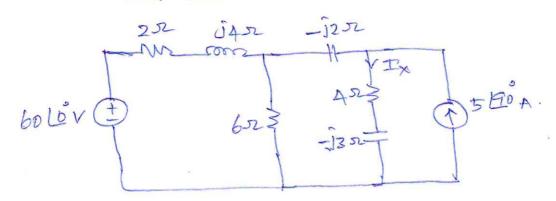
Principle.

152 1 F 24V

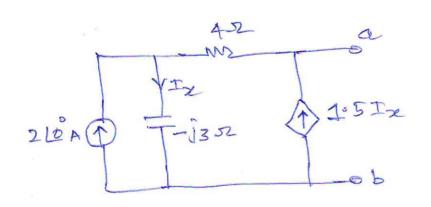
10sm(t-30) v (2)

252 3 (2) 2643t 3452

(8) Use the method of source transformation to find In



9 find the thereon equivalent at terminals a-b of the circuit below.



(10) At terminals a-b, obtain Thevenin and Norton equivalent circuits for the circuit below. Take w= 104 ad/s.

