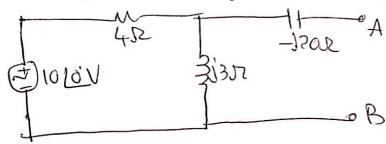
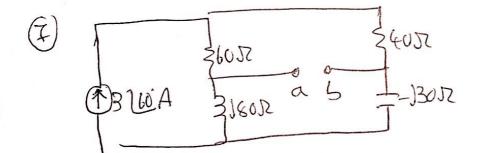


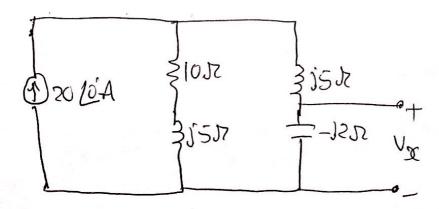
6) Calculate the workent through a load of (6+j3c) 12 cannected 5/n A and B, after finding the lining's and worken's eq. Clat.



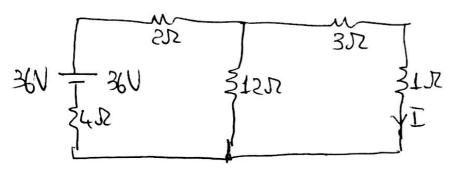


(I) Reciprocity and Telligen's theorems; and Millman's Theorem

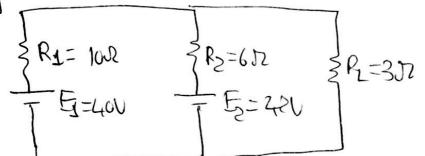
1) voily precipacity Theorem for the following corcuit.

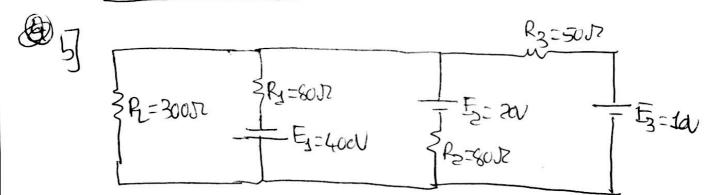


& woiley reciprocity theorem for the circuit shown.



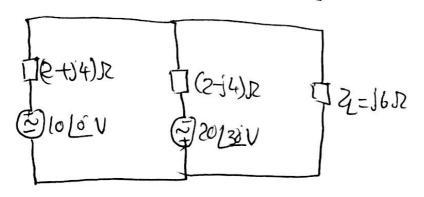
3) Using millman's theorem find the woment and voltage across R.

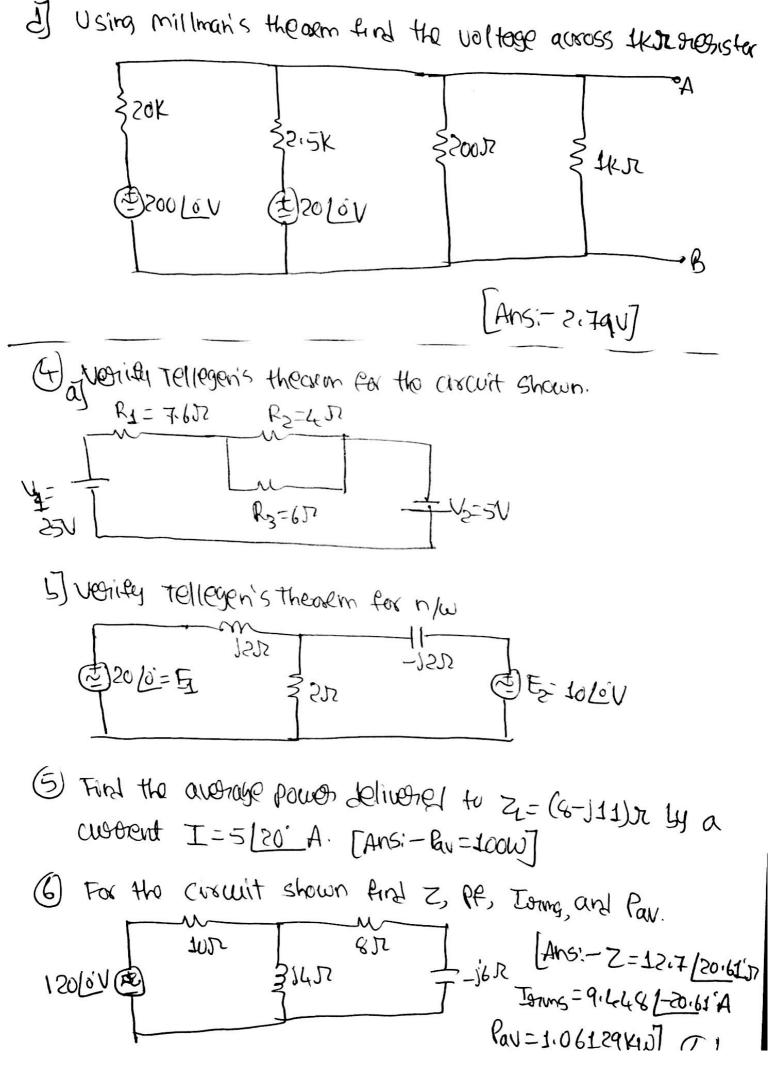


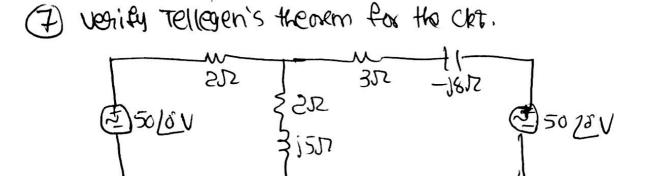


[Ans: - I= -0,3137A VL= -94,1368V

of Z=1652, and current through it.

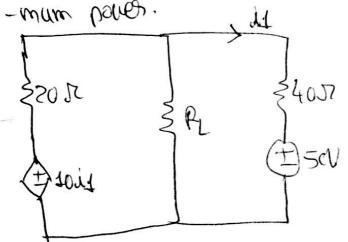






Superposition Theorem and maximum Power Transfer Theorem

Deformine RL for maximum power tourston, and find max' -mum power. It



[Ans'- R=1657 Prmax=1.5656]

(2) For the circuit shown find the value of Pz and capacitive sheatone Xz that would susual in maximum powers transfer. Find the value of maximum power.

