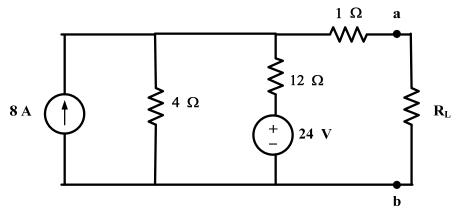
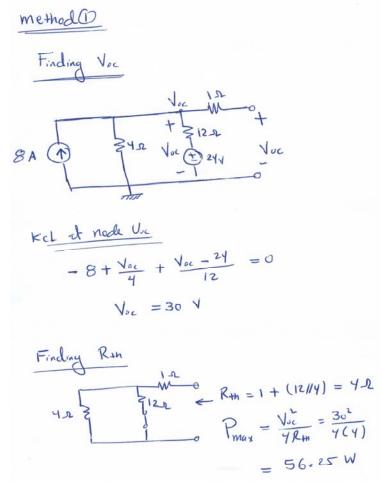
## EE 202-05-Winter 2014(141) QZ2

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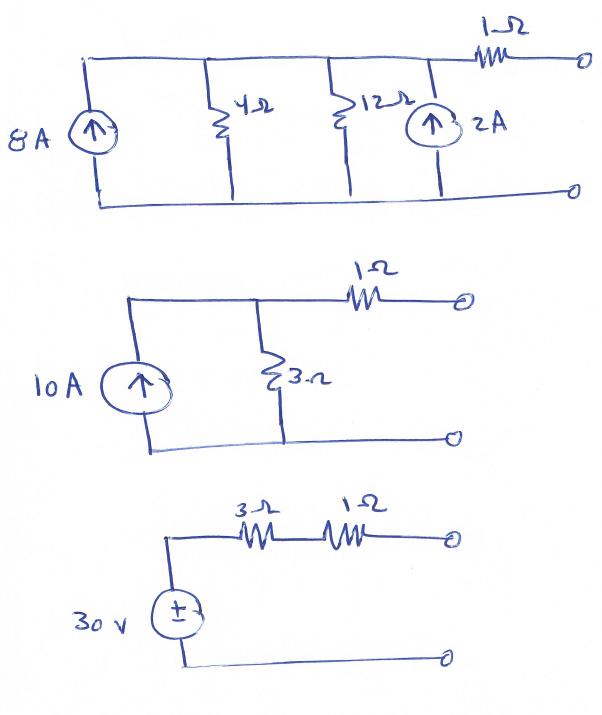


For the circuit shown, the load resistant is  $R_{\rm L}$ .

Find the **maximum power** absorb by load resistant is  $\mathbf{R}_{\mathbf{L}}$ ?



m ethod (2)



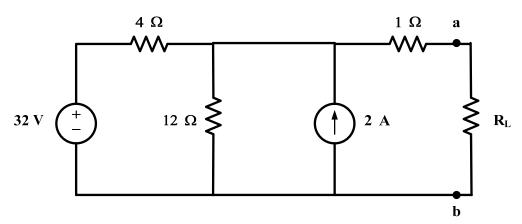
$$R_{L} = R_{th} = 4 \Sigma$$

$$P_{max} = \frac{V_{tc}}{4R_{th}}$$

$$= \frac{30^{2}}{4C41} = 56.25$$

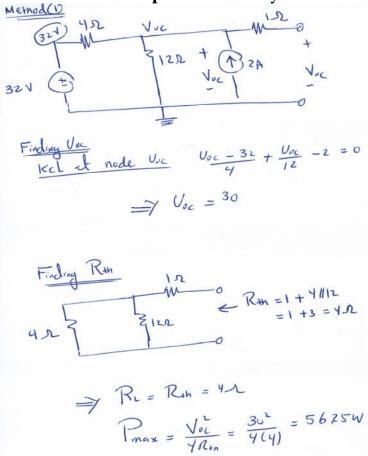
## EE 202-02-Winter 2014(141) QZ5

Sec	Ser	ID	Name



For the circuit shown, the load resistant is  $R_L$ .

Find the **maximum power** absorb by load resistant is  $\mathbf{R}_{L}$ ?



method (2) ZIRR RL=R+n=42 J.P. Pmax = Voc YR+n  $=\frac{30^2}{4(4)}=56.25W$