ه المولوارر



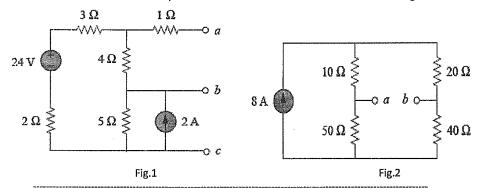
KafferElshikha University
Faculty of Engineering
Electrical Engineering Department
final Exam 2015-2016, 1st Year 1st semester

Subject: Circuit 1
Time Allowed: 1.5 hours
Examiner: Dr.S.Gharib
Date: 2 / 1 / 2017.

Q1

For the circuit in Fig. 1, obtain the Thevenin equivalent ct as seen from terminals: a-b then calculate the maximum power transfer delivered to the load between terminals b-c.

 ${\bf Q2}$ Determine the Norton equivalents at terminals *a-b* of the circuit in Fig. 2



<u>Q3</u>

In the circuit of Fig. 3, find Vs if $I_o = 2 \cos(50t)$

<u>Q4</u>

Using nodal analysis, find $i_0(t)$ in the circuit in Fig.4.

