Fayoum University
Faculty of Engineering
Industrial Engineering Dept.

Course Name: Principles of Electrical Engineering	Code: EEC211	Level: 2
Final Term Exam, January, 2016	No. of pages(#) : 4	Time allowed (3) hrs.

Attempt to answer the following questions:

Problem (1) 15 Degree

A) Find the unknown quantities in the circuits of Fig.1 using the information provided.
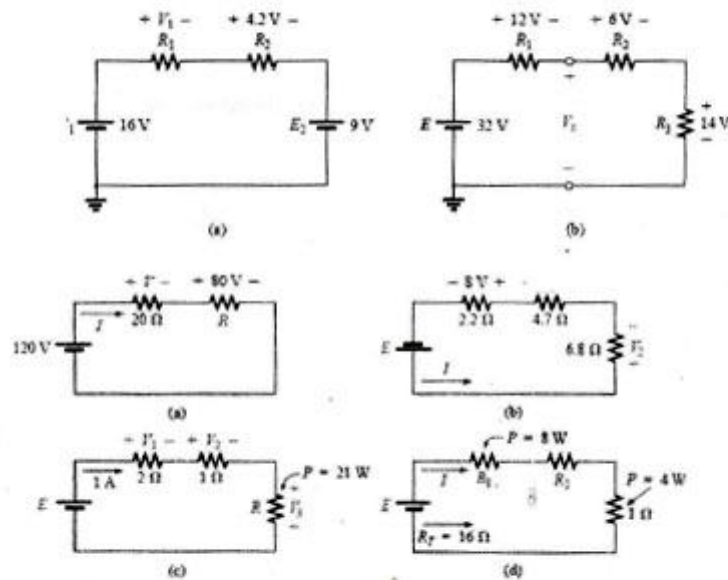

Fig.1

B) For the network of Fig. 2, using the voltage divider rule. determine the voltages:
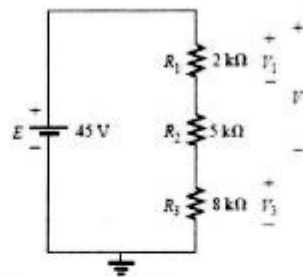
a. $V1$, $V3$ and V

Fig2

Problem (2) 15 Degree

A) Find the unknown quantities for the circuits of Fig. 3 using the information provided.
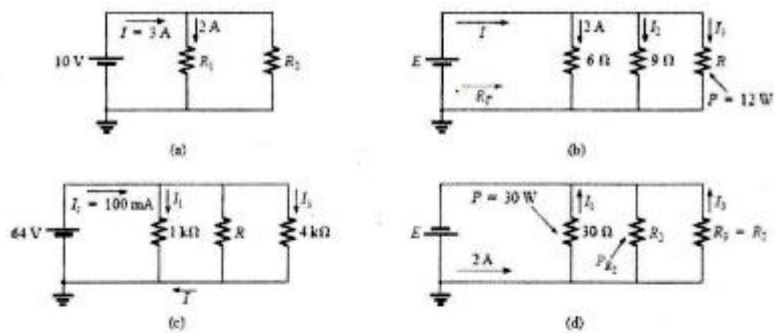

fig 3

B) In the circuit diagram shown in figure4 calculate the following:

1- Rt
2- Is
3- I2
4- V1
5- I4
6- V5