

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MALAYSIA
SKEE 1023 (CIRCUIT THEORY)

TEST 2

17 DECEMBER 2011

DURATION : 1 HOUR 30 MINUTES

Answer all questions

Q1. Using superposition, find the voltage V_{ab} in Fig. Q1.

[7 marks]

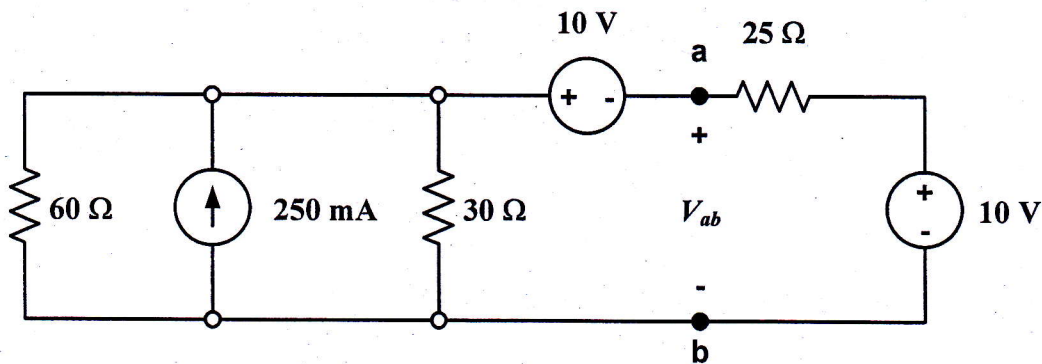


Fig. Q1

Q2. For the circuit shown in Fig Q2, obtain the Thevenin equivalent circuit at terminal $a-b$ and hence determine the current flow through resistor $2\ \Omega$.

[15 marks]

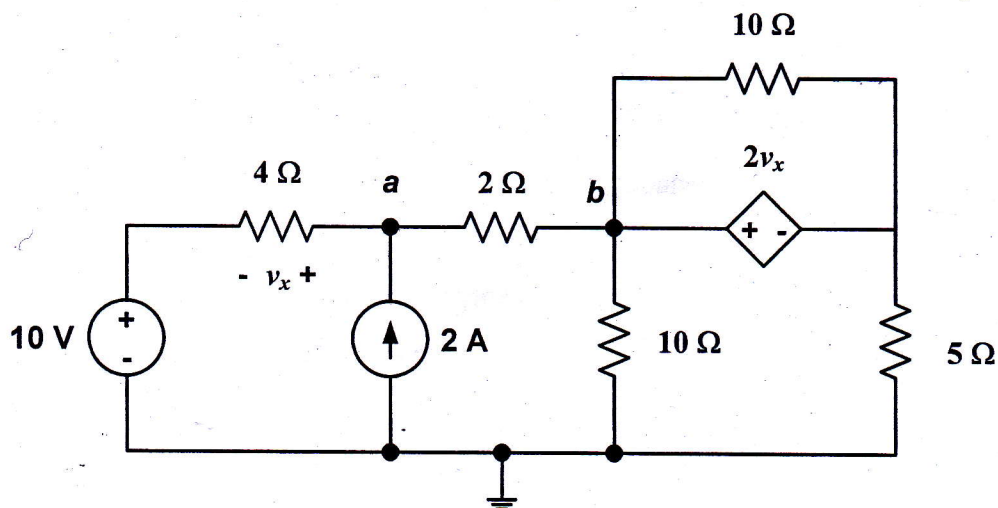


Fig. Q2


Ketua Jabatan Kejuruteraan Elektrik Kuasa
Fakulti Kejuruteraan Elektrik
Universiti Teknologi Malaysia
81310 UTM, Skudai
Johor Darul Takzim