UNIVERSITY OF CALIFORNIA, BERKELEY
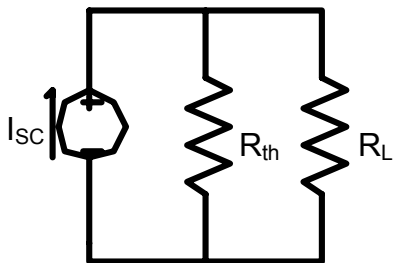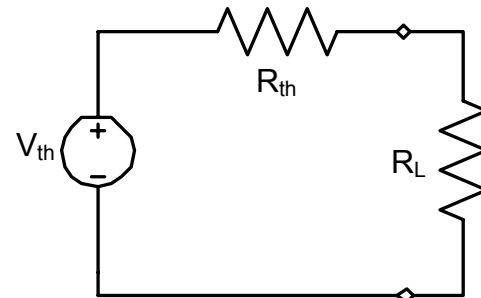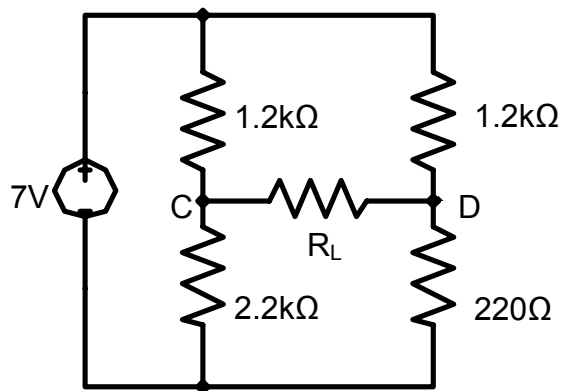## EE100 Summer 2008 Lab 2

Equivalent Circuits Prelab

NOTE: Many of these theoretical values will be used in your lab. Please record your theoretical values in questions 2 and 5 of your lab report.

1) The two circuits given below are equivalent. What is R_{eq}?
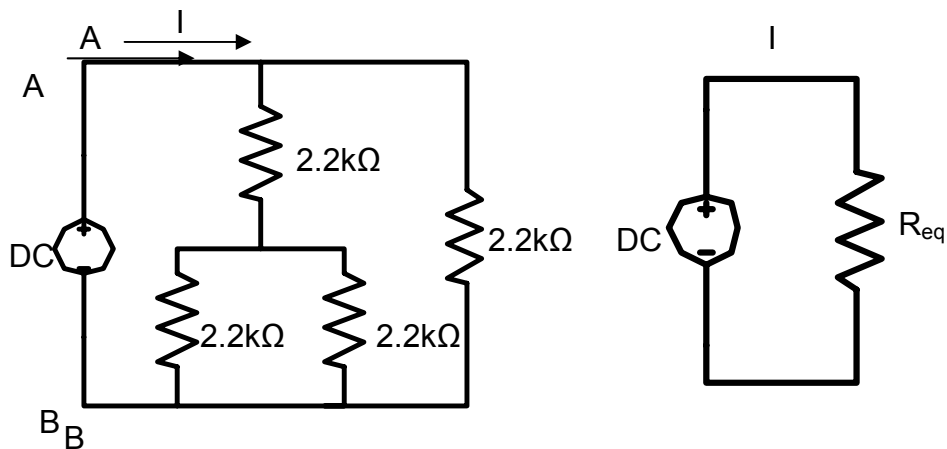
2) The three circuits given below are equivalent.

1.2kΩ   1.2kΩ

7V   C   R_L   D

2.2kΩ   220Ω

R_th

V_th

R_L

I_SC

R_th   R_L

a) What is the value of R_{TH}?
b) What is the value of I_{SC}?
c) What is the value of V_{TH}?