

ECE 35, Fall 2017

Quiz 1- Section B

Last name

First + middle
name(s)

PID

Instructions:

- Read each problem completely and thoroughly before beginning
- All calculations need to be done on these sheets
- Write your answers in the answer boxes for each question. Make sure you list units!
- Answers without supporting calculations will receive zero credit

(1) In the circuit below, find the power received by each one of the four elements.



2A source



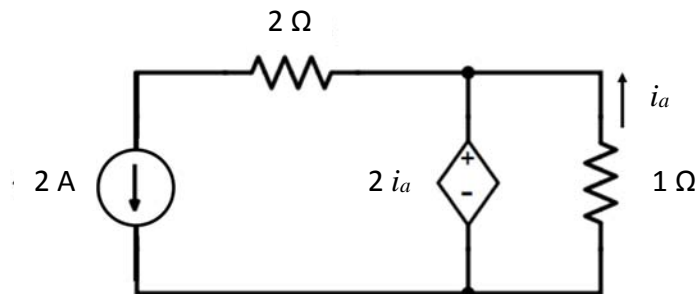
CCVS



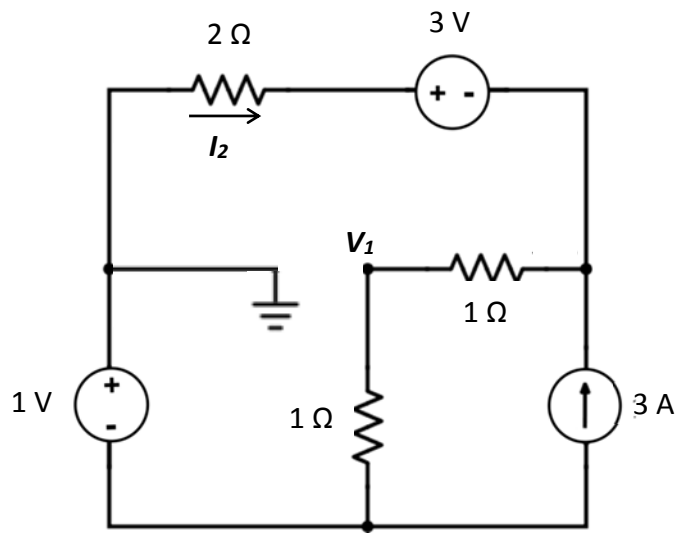
1 Ω resistor



2 Ω resistor



(2) In the following circuit, find node voltage V_1 and current I_2 .



V_1

I_2