

ECE 35, Fall 2017

Quiz 1- Section B

Last name

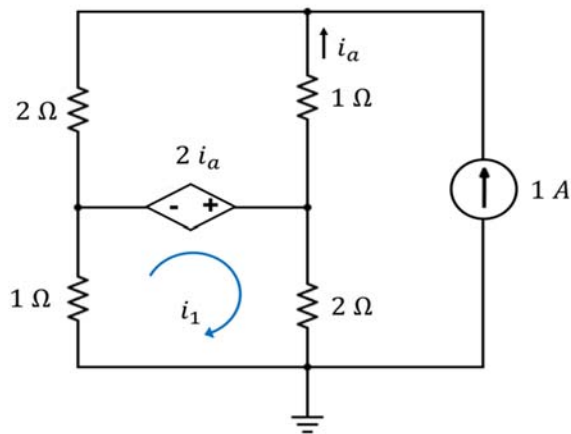
First + middle
name(s)

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 mesh current i_1 . You can use any analysis method you like to solve this problem. Do not forget the units in your final answer.



(2) In the following circuit, find the value of R_b such that the power received by R_b is maximized. Do not forget the units in your final answer.

