

ECE 35, Winter 2019

Quiz 1

/ 12

Last name

First + middle  
name(s)

PID


**Instructions:**

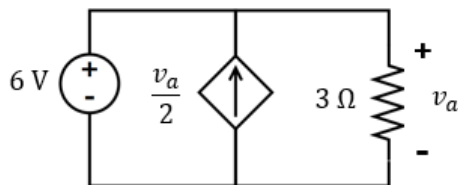
- Read each problem completely and thoroughly before beginning
- All calculations need to be done on these sheets
- Write your answers in the answer boxes for each question. Make sure you list units!
- Answers without supporting calculations will receive zero credit

(1) (a) What is the power  $P_1$  supplied by the dependent source? (2 points)

$P_1$

(b) What is the power  $P_2$  supplied by the voltage source? (2 points)

$P_2$



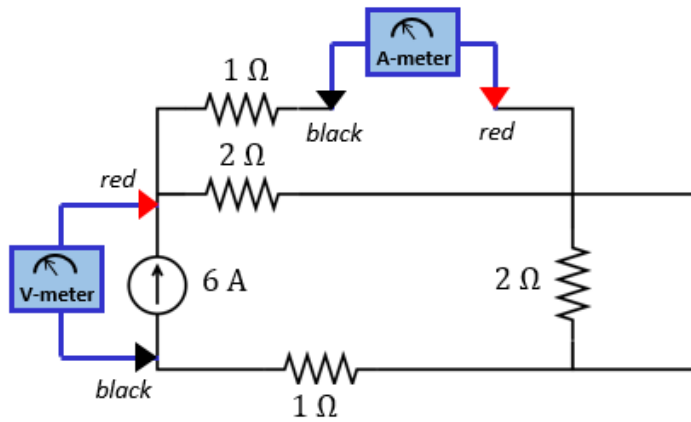
(2) In the problem below, both the volt-meter and the ammeter are ideal.

(a) What is the reading X of the ammeter? (2 points)

X

(b) What is the reading Y of the volt-meter? (2 points)

Y



(3) Find  $v_a$ . (4 points)

$v_a$

