ECE 35, Spring 2020

Quiz 1

Last name

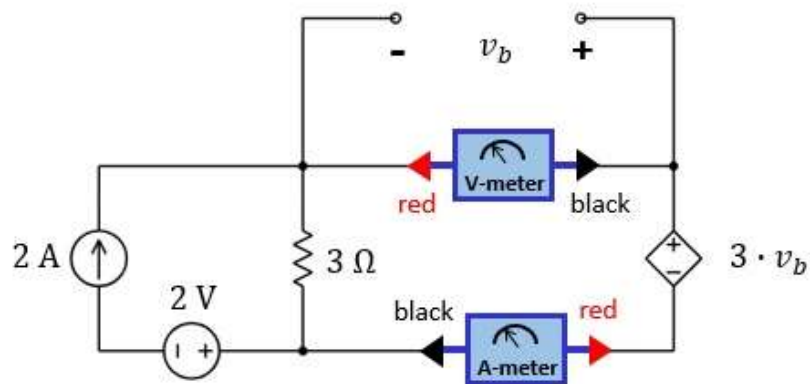First + middle
name(s)

/ 10

PID

(1) *(5 points)*

In the problem below, both the volt meter and the
ammeter are ideal.

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

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

(c) What is the power P_1 supplied by the current source?

(2) *(5 points)*

Consider the circuit below.

(a) Find v_x.

(b) What is the total power P_1 received by all resistors combined?

(c) If we flip the direction of the voltage source, what is the power P_2
received by resistor R_1?