Review Quiz on Chapter 28  PHY 251A Spring 2002  April 11, 2002  [20 minutes]

Student Name: ________________________   Partner _______________________

1. Five volts is applied to two 2 ohm resistors in series. The resulting current is:
(a) 5 A.  (b) 2.5 A.  (c) 1.25 A.  (d) Not enough information is given.

2. Six volts is applied to a 2 ohm resistor in series with two 2 ohm resistors connected in parallel. The current through the first resistor is:
(a) 3 A   (b) 2.0 A  (c) 1.0 A  (d) 0.5A

3. What is the current through the 20 ohm resistor on the left in the figure?

4. The circle in this diagram represent identical light bulbs. Rank the bulbs by their “brightness”.

5.