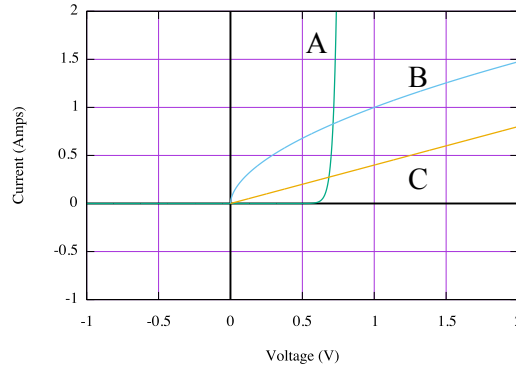


1. For the following question refer to the I-V plots in the following graph.



- (a) Which of the circuit elements is ohmic? _____
- (b) Find the resistance of the ohmic circuit element. _____
- (c) Which of the circuit elements that produced the following I-V curves has an increasing resistance as current increases? _____
- (d) Which of the circuit elements that produced the following I-V curves has a decreasing resistance as current increases? _____
- (e) Which of the I-V plots shown above was produced by a diode? _____
- (f) Which of the I-V plots shown above was produced by a light bulb? _____
- (g) What is the usual purpose of a diode in a circuit? _____

2. Find the resistance of the four resistors that yielded the following I-V plots.

