

Names: 1- _____

ID: _____

Lab Station #: _____

2- _____

ID: _____

Date: _____

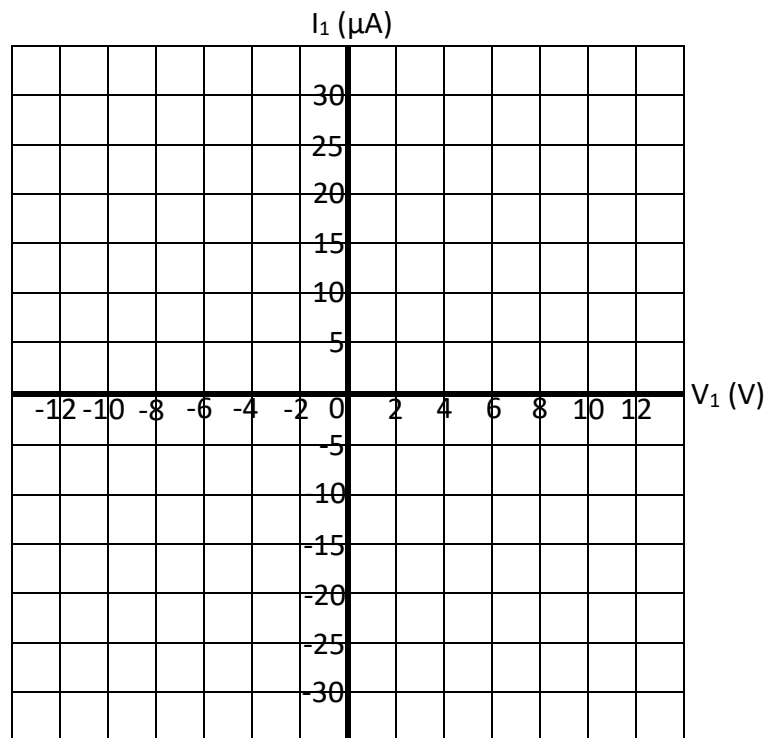
Do not forget:

Grade: _____/17

- Include units for any value.

1.1 Current-Voltage plot for 330 k Ω resistor: [3 pt]

Voltage V_1 (V)	Current I_1 (μ A)



1.2 Measured resistance, assuming ideal meters: [1 pt] _____

1.3 Is the resistor active or passive? [1 pt] _____

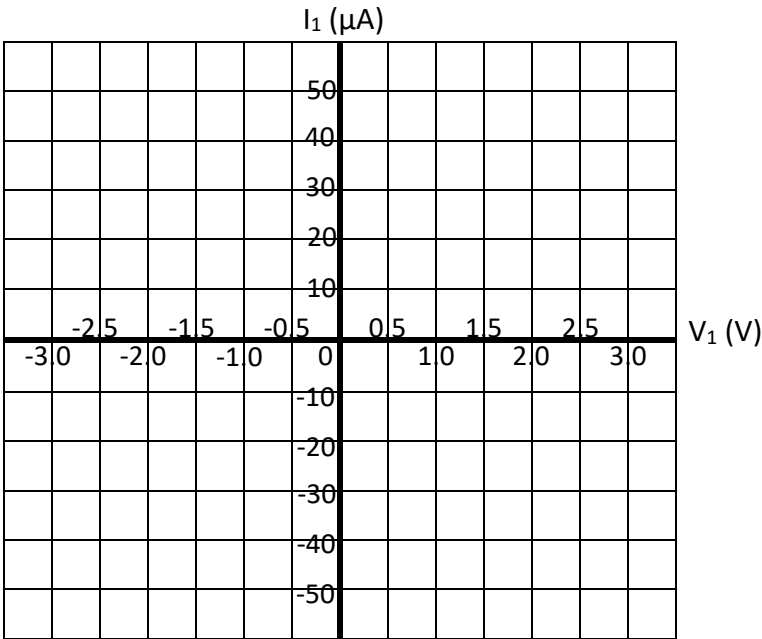
1.4 Is the resistor a linear element? [1 pt] _____

1.5 Is the power absorbed or delivered by the resistor at 10 V? [1 pt] _____

what is the value of the power absorbed/delivered at 10 V? [1 pt] _____

2.1 Current-Voltage plot for the photodiode: [5 pt]

Voltage V_1 (V)	Current I_1 (μ A)



- 2.2 Is the photodiode active or passive? [1 pt] _____
- 2.3 Is the photodiode a linear element? [1 pt] _____
- 2.4 Is the power absorbed or delivered by the photodiode at 0.5 V? [1 pt] _____
- What is the value of the power absorbed/delivered at 0.5 V? [1 pt] _____