

Name: \_\_\_\_\_  
Name: \_\_\_\_\_  
Name: \_\_\_\_\_  
TA: \_\_\_\_\_  
Section: \_\_\_\_\_

## Diodes: Lab Report

### Part One: Half-Wave Rectifier

1. TA checkoff for working half-wave rectifier circuit \_\_\_\_\_
2. a. Threshold voltage from the multimeter: \_\_\_\_\_ volts  
b. Measured threshold voltage from the scope: \_\_\_\_\_ volts  
c. % error: \_\_\_\_\_ TA checkoff: \_\_\_\_\_

### Part Two: AC-DC converter

- 1 a. Time constant of the circuit: \_\_\_\_\_ seconds  
b. TA checkoff for working AC-DC converter \_\_\_\_\_

### Part Three: EXTRA CREDIT (4 points)

1. Briefly explain why you don't see full rectification when you replace the 1k resistor in the half-wave rectifier circuit with a 10M resistor.