**Scope Hands On Test CLO# 4**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Scope 1**

Part 1: Connect the probe to the leads provided. Set the frequency and voltage below and have the instructor check it off. 50pts.

Frequency Hz \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Voltage RMS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First attempt +50 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Second attempt +30 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Third attempt +10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

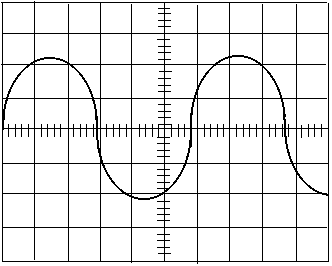
Instructor signature \_\_\_\_\_\_\_

**Scope 2**

Part 2: Fill in the blanks below with the correct measurements for the given sine wave. Each blank is worth 10pts for a total of 50pts.

Volts / Div = 50 mV

Time / Div = 5 mSec



Time for 1 cycle = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Frequency = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Voltage peak-peak (VPP)= \_\_\_\_\_\_\_\_\_\_\_ Voltage peak (VP)= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

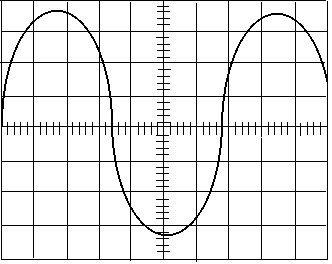
Voltage RMS (VRMS)= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Scope 3**

Part 2: Fill in the blanks below with the correct measurements for the given sine wave. Each blank is worth 10pts for a total of 50pts.

Volts / Div = 1 V

Time / Div = 20 mSec



Time for 1 cycle = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Frequency = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Voltage peak-peak (VPP)= \_\_\_\_\_\_\_\_\_\_\_ Voltage peak (VP)= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Voltage RMS (VRMS)= \_\_\_\_\_\_\_\_\_\_\_\_\_\_