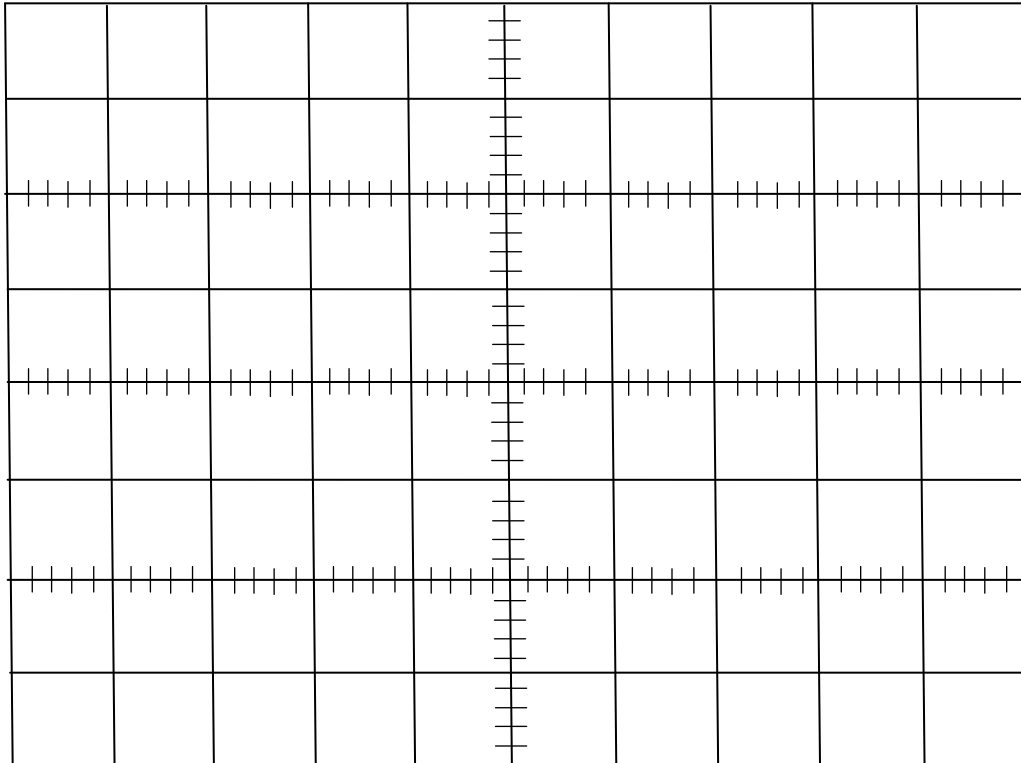


PHY 124 EXPERIMENT 1 The Oscilloscope – Worksheet
Measurement of the Battery Voltage:

The battery voltage measured with a voltmeter and its unit is: _____

TIME/DIV: _____ VOLTS/DIV: _____

Sketch and **label** the observed voltage trace in the space below:



Reading Uncertainty (Voltage): _____ Reading Uncertainty (Time): _____

Calculation of battery voltage

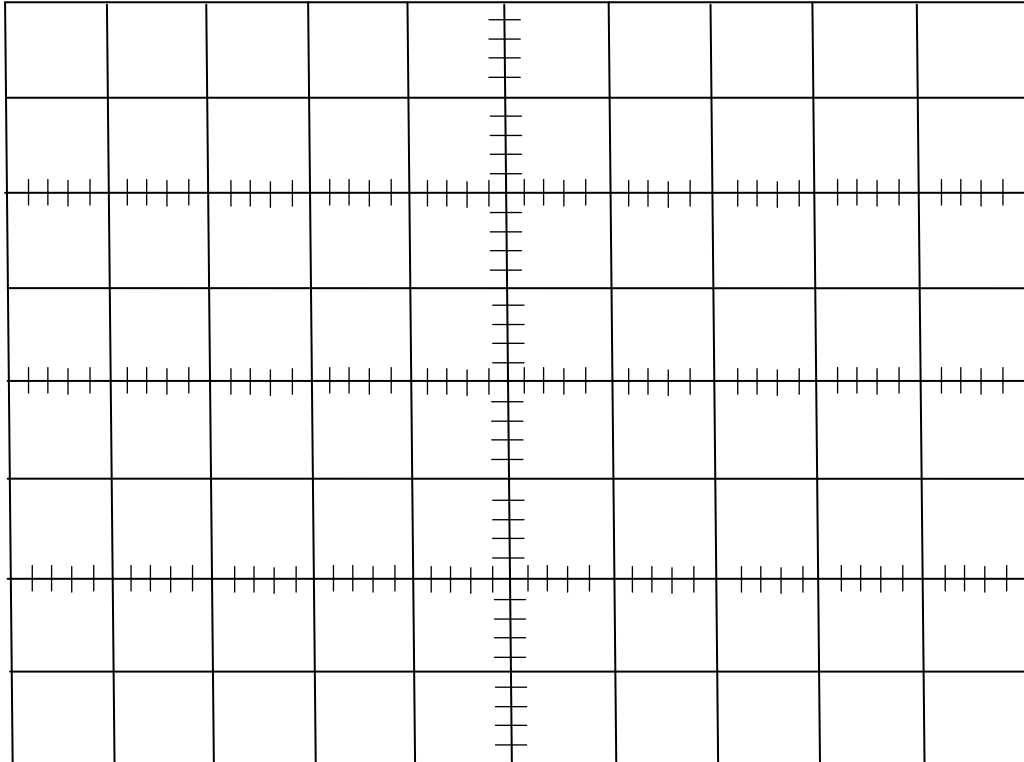
	V ₁	V ₂	V (Battery Voltage)
Unit			
Value			
Uncertainty (+/-)			

Measurement of a Sinusoidal Voltage:

TIME/DIV: _____ VOLTS/DIV: _____

The expected frequency from the voltage generator settings is: _____

Sketch and **label** the observed voltage trace in the space below:



Reading Uncertainty (Voltage): _____ Reading Uncertainty (Time): _____

Measurement of Sinusoidal Signal Frequency

Number of waves:

	T_1	T_2	$T_2 - T_1$	T (Period)	f (frequency)
Unit					
Value					
Uncert (+/-)					