Raw Data Sheet

Student Name:	
Team members: 1	2
3	4
Instructor:	

a) Mass-Spring Oscillator

Table 1: Data to obtain the spring constant.

mass (g)			
length (cm)			

Hanging Mass, M ______(g)

Table 2: Data to obtain the Natural Frequency of the system

Trial	Number of Oscillations	Time (s)	Period (s)
1			
2			
3			
4			
5			
Average Period			

b) Resonance

Resonance Frequency, f_r (Hz)

Document how the mass moves in relation to the plunger when it is driven above and below the resonant frequency.

c) Pendulum

length, l _____ (cm)

]	Table 3:	Data	to s	show	deviations	from	simple	harmonic	oscillator	behavior.

Amplitude (cm)			
Period (s)			

d) Conical Pendulum

