

Unit 1: Pendulum for Pros

Pre-Lab Activity I (Due the day before your lab section meets during the first week of the lab at 11:59pm):

1. ~~1.1~~

~~1.1.1~~

~~1.1.1.1~~

~~1.1.1.1.1~~

a. ~~1.1.1.1.1.1~~

b. ~~1.1.1.1.1.1.1~~

~~1.1.1.1.1.1.1.1~~

~~1.1.1.1.1.1.1.1.1~~

Pre-Lab Activity II (Due the day before your lab section during the second week of the lab at 11:59pm):

1. $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$

- a. $\frac{1}{2} \text{m}$
- b. $\frac{1}{2} \text{m}$
- c. $\frac{1}{2} \text{m}$

2. $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$

- a. $\frac{1}{2} \text{m}$
- b. $\frac{1}{2} \text{m}$
- c. $\frac{1}{2} \text{m}$

3. $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$
 $\frac{1}{2} \text{m}$

Trial	10 deg.	20 deg.
1	1.23	1.27
2	1.36	1.35
3	1.35	1.38
4	1.36	1.27
5	1.30	1.33
6	1.27	1.33
7		

Unit 1: Model testing

Objectives:

1

1.1

1.2

1.3

1.4

1.5

1.6

1.7

1.8

1.9

1.10

1.11

1.12

1.13

1.14

1.15

1.16

1.17

1.18

1.19

1.20

What goes in my lab notes?

1

1.1

1.2

1.3

1.4

1.5

1.6

100

90

80

A. Reliability and systematics

70

60

50

highest lowest

10

0

highest

lowest

highest

lowest

10

Activity II: Investigating Period of a Pendulum

1

2

$$6 = 2 \pi \sqrt{\frac{L}{g}}$$

3

h

h

h

h

"What goes in my lab notes?" reminder:

h

h

h