



# Honors Physics

## L0101T : $\pi$ Lab Data Tables

NAME:

**Table I:**

data			
object	diameter (cm)	circumference (cm)	value of $\pi$

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**Questions:**

Answer these in brief sentences on the reverse of this sheet, before doing the analysis.

Q1. If you plot circumference v. diameter, what shape do you expect to see? Why?

Q2. How can this be used to derive a value of  $\pi$ ?

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# Answers to Questions

## Analysis

slope from hand-drawn line	
a	
b	
%E	

- (i) How does the slope from your hand-drawn line compare to the computer-drawn one?
- (ii) How well do your values of  $\pi$  computed directly compare to the slopes? (How reliable is point-to-point division?)