PHY 121  

Experiment 1A: Measurement & Error

Reminders:
1. Hand labs in before leaving unless I sign them.
2. Work in pencil (or work out mistakes on a first draft.)
3. Write a discussion of the experiment (Objective/Procedure/Conclusion) to hand in with this answer sheet. Don't forget to put your name on it.

Part 1:
diameter = __________ ± __________  height = __________ ± __________
Show calculation of V and its cm$^3$ of uncertainty:

Graduated cylinder: V of water = __________ ± __________  V water + cyl. = __________ ± __________
V of cylinder & its uncertainty:

Part 2:
a. Ruler: Dimensions: __________ ± __________, __________ ± __________, __________ ± __________
Calculate V and uncertainty:

b. Digital Caliper: __________ ± __________, __________ ± __________, __________ ± __________
Calculate V and uncertainty:

Use the back for (c) Micrometer.