Name:	Date:	Course:	Professor:

M6a Prelab: Measurements



Read the lab instructions, the appropriate sections from your textbook and watch the videos before answering the questions.

- 1. What is the volume of a cube with side a=23.5 mm
 - a) in mm³?
 - b) in cm³?
 - c) in m³?
- 2. What is the volume of a cylinder of radius r and height h?
- 3. Complete the assignments in Parts V-section A and V-section B of the lab description.
 - For the Graphical (Head-to-tail) Method of Vector Addition, your diagrams must be done in graphing paper. Vectors need to be correct, neat, and of appropriate scale. Angles must be shown and labeled.
 - For the Component Method of Vector Addition, your calculations should be neatly written in pages 13 and 15 of the lab handout, and summarized in tables V and VI respectively.

If you need help to complete this assignment, see your instructors during their office hours.