

II. Calculations

Calculate a numerical value for the mass on the right side so that the hanger will be in static equilibrium (i.e. balance completely horizontally). Use the measured values for each lever arm, angles, and YOUR mass and placement points (i.e. A, B, C,...1, 2, 3, etc.) Complete using the HW “Solution” format. It is not necessary to complete “Given” and “Find”.

III. Lab Debrief

Each of these questions is to be answered with an explanation or justification. Three to four sentences for each question will suffice.

- a. Discuss at least TWO concrete things that you learned in this lab.
- b. Discuss at least ONE physics concept that is still unclear to you. (excluding things such as experimental error...concentrate on physics concepts)
- c. What was the difficulty level of the experiment? (1-10, 10 most difficult) Why?
- d. What was the “fun” level of this experiment? (1-10, 10 most fun). Why?
- e. Describe one extension of this lab that would help your understanding of the physics content and increase the fun level of this lab.