

**HOMEWORKS IA AND IB ASSIGNMENTS AND INSTRUCTIONS****READ THIS CAREFULLY!****THE QUESTIONS START ON THE NEXT PAGE.**

- FORMAT**
- TYPE YOUR ANSWERS, except numerical work, or pictures and captions, on just one side of each sheet.
  - Double space, and leave an inch or more right margin.
  - NUMBER YOUR ANSWERS CLEARLY, AND START A NEW PAGE RATHER THAN BREAK AN ANSWER IN THE MIDDLE. Staple the pages together in the upper left corner.
  - Put a **box** around the **answer** to any numerical question, and be sure to *include units* of all physical quantities.
  - Do not use a cover sheet or binder.
  - ON EACH PAGE, PUT YOUR NAME IN THE UPPER RIGHT CORNER.
  - ON THE FIRST PAGE, LIST YOUR STUDY PARTNERS. THIS IS VERY IMPORTANT
  - Please write complete, coherent sentences and short paragraphs, w/o abbrevs. Keep your answers short and succinct. In physics, quality counts more than quantity.
  - It is smart to keep a photocopy of your homework answers.
- DUE DATE**
- Turn in your homework by 9:55 on the due date. If you are in Lec. 1, put it in the 107 alphabetical boxes across the hall from 1300 Sterling. If you are in Lec. 2, turn it in at 2531 Sterling (hours 8-12, 1-4:30) and check off your name. You must bring in your own paper. The due date for Homework IA is Wed., Sept. 21, at 9:55 am, and for Homework IB, Wed., Oct. 5, at 9:55 am.
  - Late work **MUST** be accompanied by a validated medical or family emergency excuse, and **MUST BE DELIVERED DIRECTLY TO ME**, in 4205 Chamberlin. Anything left in the boxes after lecture will likely be lost. Do not leave late work in 2531 Sterling, nor with a TA. (Late work gets graded late.)
- GETTING HELP**
- The main purpose of discussion sections in this course is to help you with homework. See the gray introductory sheet about discussions. Come to them and ask questions. If you need help beyond discussion section, make an appointment with one of the TA's, or me.
  - STUDY GROUPS ARE ENCOURAGED. We will help you form these from the list of positive responses on the blue forms.
  - DISCUSS the answers in your study group, BUT NEVER WRITE THE SAME ANSWER AS ANOTHER STUDENT.
  - IT IS CHEATING TO HAVE THE SAME ANSWER. DON'T DO IT. WE CATCH MOST IDENTICAL ANSWERS. WRITE YOUR OWN! You will get no credit for an identical answer, and you and I will discuss what further sanction may be appropriate.
  - Be sure your study partners are listed on your first page, so the graders will understand if there are similar phrases. Do not try to use my answers to previous years' homework. I change nearly all the questions, and the graders recognize my old answers.
- GRADING**
- 39 of the 41 homework questions during the semester count **ONE PERCENT EACH**, and 2 count 1/2%, of your grade. Each will have a maximum grade of 1.0 or 0.5 and be graded in tenths.
  - You will receive a yellow answer sheet at the date announced in the gray schedule. For Homework IA that will be Fri., Sept. 30, at the same time as your graded Homework IA is available, and for Homework IB that will be Friday, October 7. **STUDY MY SOLUTIONS!** I will use them, not yours, as I make up the exam.
  - Several graders will each grade one or two answers on each set, commenting if there is time.
  - We will try to have Homework IB graded, recorded, and back to you by the review session before the exam. For the first assignment that time is Monday, October 10, at 7:00 pm.
  - If you don't understand a grade, first check my solution, then if necessary give me your whole paper, with a note stapled to it asking me to regrade that problem.
- WORKLOAD**
- The workload in Physics 107 is heaviest in six batches, with two homeworks and an exam for each unit. These fall in Weeks 3, 5 and 6; 8, 10 and 11; 13, 15 and 16.
  - PLAN AHEAD! TURN IN YOUR HOMEWORK ON TIME! YOU KNOW THE DUE DATE FROM DAY ONE! The most common plea is that a word processor or printer was in use or broke down during the night before the due date. Start early. You should be able to answer each homework question after the corresponding lecture, and it should take about an hour or two to get it all together each time.
- FORMAT**
- There are "warmups" and "questions" to go with each lecture. DO NOT TURN IN ANSWERS TO THE WARMUPS, just to the questions. When I make up the exam, I will draw from both.
  - Many questions are brief answer essay-type, but I do make you pay homage to the great physicists by working one or two examples of each major law, with equations, numbers, pictures.

**READING ASSIGNMENT QUIRKS IN UNIT I**

I will not test you on some things in the textbook, so you should read them but not study them. In Unit I there are several such bits:

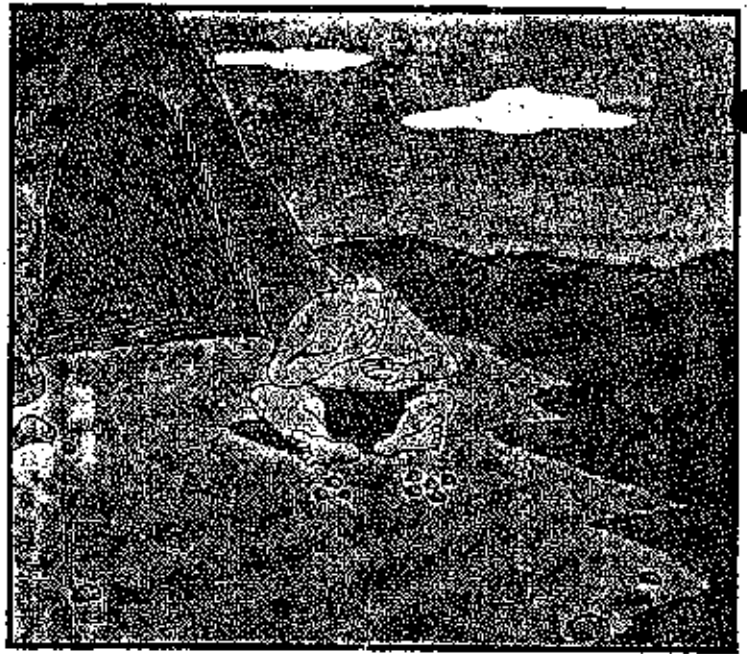
- Just skim: Chapter 2, section "The Center of Mass Doesn't Move", pp 29-30
- Chapter 3, section "Going Around in Circles", pp. 37-38
- Chapter 4, equations on p. 49 in "The Moon is the Key"
- Chapter 5, equation on p. 57

Remember: Do read these sections for "cultural enlightenment" but do not try to understand them in depth.

# CLOSE TO HOME



Mrs. Mumer liked to go over a few of her rules on the first day of school.



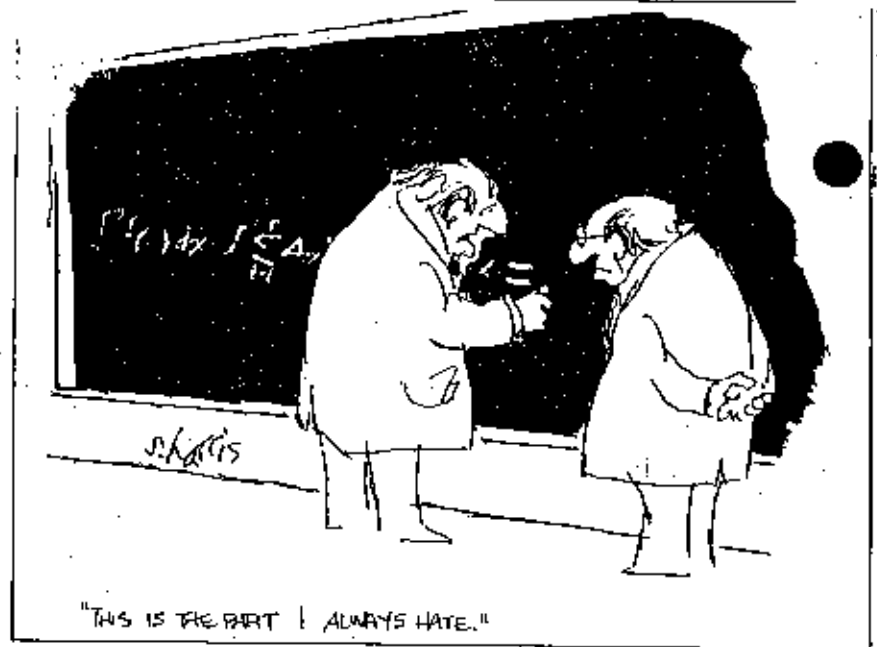
Early stages of math anxiety

# THE FAR SIDE

By Gary Larson



Hell's library



# SALLY FORTH

By Greg Howard

