

Your Name _____

Homework Assignment Zero – A Survey
PHY312
Hand this in Thursday, 1/18/01

This ‘zeroeth’ HW assignment is just a short survey to find out about your background and to get an idea of what *you* would like out of this course. Don’t worry about getting any of the questions below ‘correct.’

1. How much do you know about Relativity?

2. What would you most like to learn in PHY312?

3. Please tell me why you chose to take this course.

4. What is your major? (‘Undecided’ is a fine answer.)

5. Would you call yourself a Freshman, Sophomore, Junior, Senior, or ‘other?’

6. What is the most advanced Math class that you have taken?

7. How much calculus would you like to use in this course?

8. How much physics have you studied in the past? (Also state if you have taken Astronomy.)

9. Are you familiar with momentum and/or energy?

10. Do you know what an inertial reference frame is?

11. Try your skill at the following logic question. Be sure to read the question carefully!!! (It's a bit tricky.)

A friend places four cards on a table in front of you. Each card has been printed with a (random) letter on one side and a (random) 1-digit number on the other, but of course you can only see one side right now (the one that is face up). On the face up side, the four cards say "A," "7," "E," and "4." Your friend makes the following claim: "Each card that has an 'A' on one side has a '4' on the other."

The question is: which of the four cards must you turn over in order to verify your friend's claim? (You may need to turn over more than one card. Then again, you may not.)