

Homework Three

Physics I

College of the Atlantic

Due Friday, October 1, 2021

There are two parts to this assignment.

Part 1: Edfinity. Do Homework 03 which you will find on your edfinity account. Note that there are two separate parts on edfinity for Homework 03: one for Chapter C04 and one for Chapter C05. I recommend doing the edfinity part of the homework first. This will enable you to benefit edfinity's instant feedback before you do part two.

Part 2: Problems from the Textbook. Here are some instructions for how to submit this part of the assignment.

- Do the problems by hand using pencil (or pen) and paper. There is no need to type of this assignment.
- Make a pdf scan of your work using genius scan or some similar scanning app. Please make the homework into a single pdf, not multiple pdfs.
- Submit the assignment on google classroom. Please don't email it to me. (Between my two classes I will be receiving over 45 assignments a week. Keeping track of them all in email is challenging.)

The textbook problems are:

1. **Chapter C4:**

- (a) C4S.2
- (b) C4S.5 (The idea here is that the explosion due to the missile can be viewed as an internal interaction. Thus, the motion of the center of mass of the asteroid remains unchanged.)

2. **Chapter C5:**

- (a) C5S.5
- (b) C5S.6
- (c) C5S.9