

PHYS 1401 General Physics I  
Homework #11

For the first four questions, express your final answer in the form of a *complete sentence*, with the correct units and number of significant figures. Do not just circle a number. Show all calculations, and draw diagrams where appropriate. The last six questions are found on the [Mastering Physics](#) site, and are worth a point each.

It would be a good idea to try the Tutorials before tackling the homework problems. If you complete the entire Tutorial for Homework #11, you will get 1 bonus point. If you complete any part of the Tutorial, you will get half a bonus point.

**Do these problems on paper and turn them in**

1. (1 point) Chapter 14, Problem 10, p. 458
2. (1 point) Chapter 14, Problem 22, p. 458
3. (1 points) Chapter 14, Problem 44, p. 459
4. (1 points) Chapter 14, Problem 50, p. 460

**These are the problems from the book that are online. The data are different, so you can work them out without numbers and then go online.**

1. Chapter 14, problem 12, p. 458
2. Chapter 14, Problem 19, p. 458
3. Chapter 14, Problem 23, p. 458
4. Chapter 14, Problem 38, p. 459
5. Chapter 14, Problem 46, p. 459
6. Chapter 14, Problem 54, p. 460