

# Homework Assignment 9

Physics 105, Fall 04, Instructor: Petr Hořava

Since the due date of this assignment is Friday, November 19, there is one problem from the material of Chapter 7, which will not be discussed in class until Tuesday, November 9. The remaining four problems are from the material of Chapter 6, which has already been exhaustively covered in the lectures.

1. Problem 17 of Ch. 6, p. 246 of [HF].
2. Problem 21 of Ch. 6, p. 247 of [HF].
3. Problem 18 of Ch. 6, p. 246 of [HF].
4. Part (a) of Problem 20 of Ch. 6, p. 247 of [HF]. (In addition, please read the assignment of Part (b) of this problem, which connects it in an interesting way to Problem 18; however, you are not required to write up your answer to Part (b) in this homework assignment).
5. Part (a) of Problem 5 of Ch. 7, p. 277 of [HF].