

Homework 9

Physics 5A

Due Fr 8 / 11 / 24 @ 5:00PM

The clearer your presentation is, the easier it is for us to give you points! "K.K." refers to the **2nd** edition of the textbook "An Introduction to Mechanics" authored by Kleppner & Kolenkow.

Remember, you are encouraged to work together, but please make sure the work you turn in is your own.

Problem 1. (15 pts)

K.K. 9.12

Problem 2. (15 pts)

K.K. 10.3

Problem 3. (15 pts)

K.K. 10.4

Problem 4. (15 pts)

K.K. 10.6. Hint: to find the frequency of oscillations $f = \omega/2\pi$, follow KK Example 10.3, Eq. 2 - 4.

Problem 5. (10 pts)

K.K. 10.7

Problem 6. (15 pts)

K.K. 10.8

Problem 7. (15 pts)

K.K. 10.12