Physics 422/820 – Fall 2016

Homework #12, Due at beginning of class Friday Dec 2.

The homework assignment this week is to work out some classical mechanics problems that have been appeared previously on the Graduate Subject Exam. These are all problems that you can do using physics we have covered in the course. Each problem will count 5 points, rather than 10 that was defined in the exam it is taken from.

From the exam of Aug 29, 2006
https://www.pa.msu.edu/people/pumplin/phy422820/CM20060829.pdf
work problem #3 and problem #4 (assume $\gamma > 0$).

From the exam of Aug 29, 2005,
https://www.pa.msu.edu/people/pumplin/phy422820/CM20050829.pdf
work problem #2 (assume $D > 0$ and $d > 0$).

From the exam of Dec 10, 2003,
https://www.pa.msu.edu/people/pumplin/phy422820/CMcollection.pdf
work problem #1. (This file contains several old exams; the one you want is the very first problem.)