

Physics 2300: Problem Set #2

These problems are due before class on Wednesday Sept 5, by uploading a PDF to Carmen. For each physics problem we ask you to begin your solutions with a clear *problem statement* which lays out what the situation is, what parameters are given, and what the goal is. We also ask for a few words of connective tissue as you explain your way through the logical steps you are taking.

1. There is a math worksheet to do.
2. Morin 1.12 (Vibrating water drop), p. 16.
3. Morin 1.15 (Landing at the corner), p. 17.
4. Morin 2.20 (Block under an overhang), p. 35.
5. Morin 2.22 (Holding a cone), p. 35.
6. Morin 2.23 (Keeping a book up), p. 35.
7. Morin 2.30 (Ball on a wall), p. 37.
8. (BONUS) Morin 2.25 (Rope between inclines)
9. There will also be some TopHat questions concerning Mathematica, which can be done in the Friday session.