Physics 2300: Problem Set #2

These problems are due on Wednesday Sept 6. 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. To underscore this expectation, this week we are choosing one problem for which we will give double the normal number of points, and ask you to do your best job of explaining your reasoning.

1. There is a math worksheet to do.


4. (DOUBLE points) Morin 2.20 (Block under an overhang), p. 35. (10 points for accuracy; 10 points for form)

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 are also 6 TopHat questions concerning Mathematica.