

Physics 261: Problem Set #2

These problems are due on Friday, October 7 in the 261 box in SM1011. 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.
2. Morin 1.12, p. 16.
3. Morin 1.15, p. 17.
4. Morin 2.4, p. 31.
5. (DOUBLE points) Morin 2.20, p. 35. (10 points for accuracy; 10 points for form)
6. Morin 2.22, p. 35.
7. Morin 2.30, p. 37.
8. Morin 3.1, p. 70.
9. (BONUS) Morin 2.23, p. 35.