Physics, Preparation for Friday, Nov. 10

Read N5 from *Six Ideas*

Office Hours

I have added office hours starting at 10am on Monday and Thursday till whenever people leave. If nobody shows up in the first half hour, I will likely go off and do other things. So come by between 10:00 and 10:30 and stay as long as you like. *I still remain available at most other times.*

Presentations

N3 Presentations Carried Forward from Nov. 7

3. Rebecca & Jack, N2R.2, p. 52, a graphical solution and an algebraic solution are both possible
4. Theory Presentation, Derivation of the Fundamental Theorem of Calculus
5. Theory Presentation, Uniform Circular Motion, Kepler's Third Law, and Newton's Universal Theory of Gravitation

For Problem Set #9

1. N4M.2, p. 68, A good statics problem which I swapped in for N4M.5, because N4M.5 was too much like the next problem N4R.1
2. N4R.1, p, 69, A torque balancing problem
3. N5B.7, p. 83, A basic plug-in for a frictionless cart on an inclined plane
4. N5M.1, p. 83, Requires use of the concept of the coefficient of static friction, quite a bit like Example N5.4, but first you have to estimate what fraction of the car's weight is on its rear wheels (usually about 40% for front-engine cars)