Textbook Problems:

6.21, 6.24, 6.27, 8.1, 8.2, 8.3, 8.5

Project:

Get together in groups of five and choose a space mission for the class project. You will be analyzing data from your chosen space mission, and will eventually present your results to the class. These missions can be any of JPL past/present robotic missions (Galileo, Cassini, etc.) or earth orbiting missions/systems like GPS or Gravity Recovery and Climate Experiment. Many such missions are described on the internet, like the JPL or NASA website, as well as other space-oriented sites. However, BEFORE YOU SIGN UP FOR A MISSION, MAKE SURE THAT THERE IS ENOUGH PUBLISHED ORBITAL DATA ON THE MISSION. This is really important, as the crucial part of your project involves analysis of your chosen mission using what you have learned in AA310 this quarter.

For example, NASA issues mission reports, press kit reports, mission fact sheets, etc. which offer a lot of useful information for your analysis. In these reports, look for information such as: launch characteristics, velocity information, inclinations, etc. Don't be discouraged by broken links or inconsistent numbers on different Reports on the same mission!

Please don't hesitate to let me and Kyle know about any issues that you might have in selecting your group or space mission.

Project: (Due from each group)

The list of group members, the mission that you are signing up for, one or two sentences on what the mission is about, and a few references that you have identified (reports, websites, books, etc.) that will guide your analysis on these missions for the class project.

Use the class discussion board to post your group’s project information. The link to the discussion board is given below.

https://catalysttools.washington.edu/gopost/board/mesbahi/8508/

You can login to it using your UW ID. Once logged in, post your groups info by adding to discussion topic "AA310 project".