ASTR450 Homework # 2 – Central Force Motion
Due Thursday, February 12

Reading: Danby's Chapter 3. Go over HW #1 with the solution set.

1. Danby: Page 53, Problem 1. What is the most general motion that satisfies these constraints?

2. Danby: Page 53, Problem 2.

3. Danby: Page 53, Problem 7. Use x $= Ae^{mt}$ (with A and m constants to be determined) and construct the most general solution in each case.

4. Danby: Page 53, Problem 8. Assume $\omega = \sqrt{k/m}$ with k constant.

5. Danby: Page 53, Problem 19.