ASTR450 Homework # 4 – Central Force Motion
Due Tuesday, March 4

Reading: Finish reading Danby's Chapter 6. You can skim sections 6.6 & 6.7, and skip sections 6.8-6.13.

1. Danby: Page 136, Problem 2.

2. Danby: Page 136, Problem 6. For what value of q is the time spent inside 1 AU maximum, and what is the maximum time? Give a physical reason for why this value of q maximizes the time inside 1 AU.

3. Danby: Page 137, Problem 9.

4. Danby: Page 137, Problem 12.