

General Astronomy (29:61)
Fall 2012
Homework Set #7
Assigned: November 2, 2012
Due: November 9, 2012

1. On Monday night we observed Jupiter through a telescope and noted the (angular) size of its disk. In about one month, Jupiter will be at opposition. How much of a change in the angular diameter of Jupiter is there between opposition and the smallest we would observe it to be?
2. Confirm the statement made in class about the escape speed from Pluto, and where it fits on the atmospheric retention graph shown in class.
3. Problem 7.2 from the textbook
4. Problem 8.1 from the textbook
5. Problem 8.2 from the textbook
6. Problem 8.3 from the textbook
7. Problem 8.5 from the textbook
8. Problem 8.7 from the textbook