

Physics 107: Astronomy, Written HW 1. Due Fri Sep 27 at beginning of class

Write up neatly on a separate sheet(s) of paper solutions for the following problems.

Complete solutions use complete sentences; explain all reasoning; show all steps for any calculations.

- 1) If we just had a solar eclipse, would you expect the probability of a lunar eclipse during the next or previous full moon to be higher than average, lower than average, or just average? Explain your answer in terms of the mechanisms responsible for such eclipses.
- 2) Ch 4 #28
- 3) Ch 4 #32