

Name _____
Lab Day and Time _____

Astronomy 113: Celestial Rhythms Pre-Lab

Read the lab manual Celestial Rhythms through Section 8.
Find about Key Concepts in your Textbook.

- 1) a) Imagine you are at the Equator looking east. Show with a sketch the direction in which the stars will move over the course of an hour.
- b) You are at the North Pole looking toward the horizon. Show with a sketch the direction in which the stars will move over the course of an hour.

2) You go outside one night (in Madison) to start working on your Sky lab and see a star at an azimuth of 180° and an altitude of 30° . During the next 6 hours will the azimuth of the star i) not change, ii) increase, iii) decrease, or iv) both increase and decrease? What about the altitude of the star? Very briefly explain and sketch your answers.

3) Briefly explain what is “retrograde motion” of planets.