

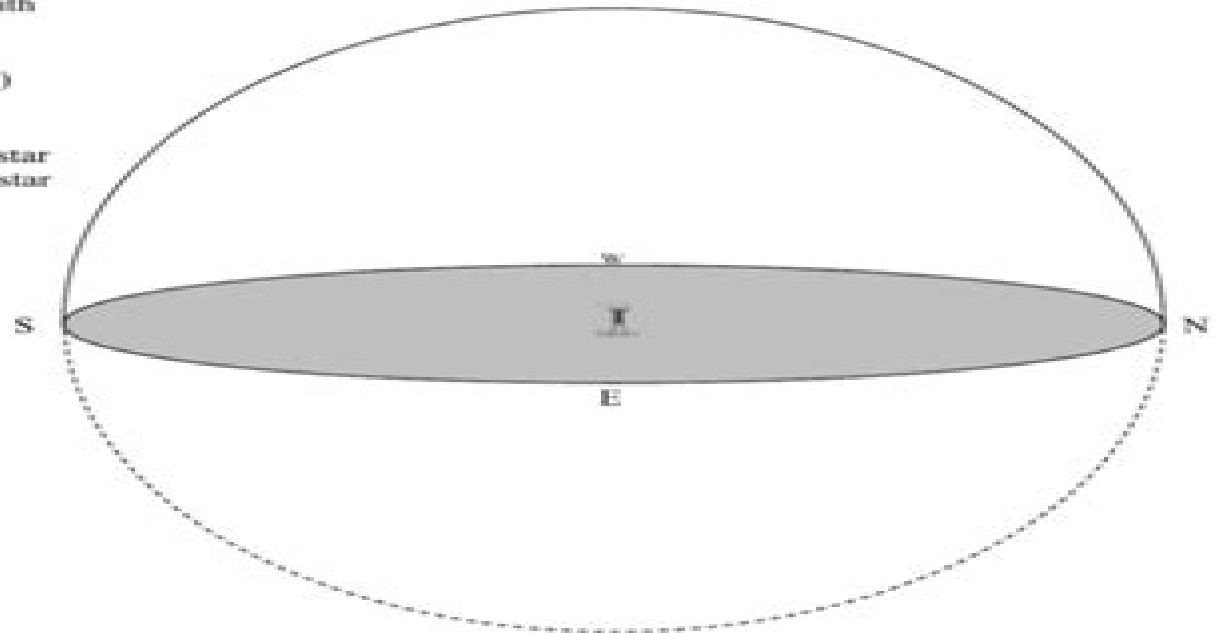
Review Introductory Astronomy Exam #1

Name _____

Class Meeting Time _____

Answer problems on a separate sheet. 20 points extra-credit. Due Friday/Tuesday. Ask questions next class if you need a refresher.

1. Saturn is now about 1.64×10^9 kilometers from the Earth. How many AU is that?
2. If Superman had flew as fast as a speeding bullet (800 m/s), how long would it take for him to fly from Earth to the Sun?
3. If the Solar System (actual diameter 80 AU) were the diameter of a quarter (2.43 cm), how large would the diameter of the Milky Way be in kilometers?
4. On the image of the celestial sphere below, assuming that the observer is located in Miami, Florida (26° N), draw or label the following:
 - a. The position of the zenith
 - b. The meridian
 - c. The horizon
 - d. Polaris (the NCP really)
 - e. The SCP
 - f. The Celestial Equator
 - g. The path of a northern star
 - h. The path of a southern star



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