

Your name (print) Solution

Your FSUID (print) _____

AST 1002 Section 1 (Dobrosavljevic) PLANETS, STARS, GALAXIES

Mini Quiz 2

Instructions: Write your name and your FSUID on the top of this page. Please read the problems CAREFULLY. Each question has one answer. Circle the correct (closest) answer. You may use these exam sheets as scratch paper. **Anyone discovered in any way to have cheated on this examination will fail this course.**

1. The nightly motion of objects across our sky from horizon to horizon is caused by the

- a. motion of the solar system around the Galaxy.
 - b. revolution of Earth around the Sun.
 - c. rotation of the whole celestial sphere of stars around the fixed Earth.
 - d. rotation of Earth on its axis.
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2. The Sun's apparent path across our sky against the background stars (which would be seen if the sunlit sky were not light) is known as the

- a. celestial meridian.
 - b. celestial equator.
 - c. great circle.
 - d. ecliptic.
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3. In order to see the pole star Polaris in Tallahassee (latitude=30 degrees North, longitude=84 degrees West), you must:

- a. look West and 84 deg. above the horizon
 - b. look North and 30 deg. above the horizon
 - c. look North and 60 deg. above the horizon
 - d. look South and 30 deg. above the horizon
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4. The total number of stars visible by naked eye is roughly

- a. 6,000
- b. 200,000
- c. 200 billion
- d. 60 million