

# AST101 Quiz #2 — The Planisphere

Take Home

Name: \_\_\_\_\_

All times refer to **local time (non-daylight)**.

1. What bright star is setting between the west-southwest and southwest on August 20 around 9 p.m.?
2. What bright star sits just above the south-southwest horizon on August 15 around 9 p.m.?
3. The bright star Arcturus in Bootes sets about what time on September 15? (remember to include a.m. or p.m.)
4. In what direction does the star Arcturus set? (To the nearest 16<sup>th</sup> of a circle: N, NNE, NE, ENE, E, etc.)
5. What time on November 5 is the bright star Fomalhaut due south (closest to the south horizon)? (remember a.m. or p.m.)

6. What bright star rises near the east-northeast (ENE) around 8 p.m. in about January 10?
7. The stars on December 20 at 8 p.m. are in the same position as they are at what time on September 20? (remember a.m. or p.m.)
8. How many hours does the bright star Antares spend above the horizon?
9. What is the approximate altitude (in degrees) of the North Star above the northern point of the horizon?
10. What time does the sun set on March 21?