

AST101 Quiz #3

Take-home, due October 12.

Name: _____

*For questions 1 – 6 use the diagram at right.
The RA lines on the diagram are 1 hour
apart; the declination lines are 10° apart.*

1. What is the sidereal time?

2. What is the sun's RA?

3. What is the local apparent solar time
(remember am or pm)?

4. What is the sun's Declination
(remember + or -)?

5. In what direction will the sun rise (to the nearest 16th of the compass:
NE, NNE, NE, ENE, and so forth)?

6. In what direction will the sun set?

7. If the sidereal time is 5h and the sun's RA is 2h, what is the local apparent solar time
(remember am or pm)?

