

AST101 Take-home #4

Due October 9

Name: _____

*For questions 1–5 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 Sun's Declination
(remember + or -)?

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

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

6. If the sidereal time is 10h and the sun's RA is 5h, what is the local apparent solar time
(remember am or pm)? Blank grid on back for scratch use.



