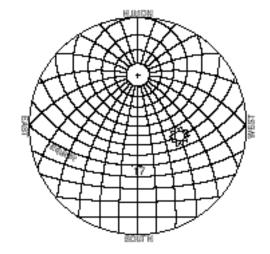
AST101 Quiz #3

Take-home,	due	October	12
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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)?