

Astro 101: Midterm topics / potential questions

NO NOTES

- Working definitions of the following terms:
 - Altitude
 - Azimuth
 - Right Ascension
 - Declination
 - Ecliptic
 - Zodiac
 - Meridian
 - Transit, Midday, Local Noon
 - Zenith
 - North Celestial Pole
 - Celestial Equator
- Convert from local time to Eastern Time for East Lansing
- Sun's RA and Dec for each of the equinoxes and solstices
- Approximate RA of Sun for any month interval
- Correspondence of rising and setting points for celestial objects
e.g., given a rising point, predict setting point.
- Approximate rising point, setting point, midday altitude of sun at equinoxes and solstices for East Lansing.
- Where to generally find planets and moon.

PLANISPHERE ONLY

- Rising and setting positions of celestial bodies to nearest 16th of circle
e.g., N, NNE, NE, ENE, E, etc.
- Local times of rising, setting, transiting of bodies throughout the year
- Approximate midday altitude of celestial bodies
e.g., high, low, midway up
- Length of time object is above horizon
- Sun's location (and constellation) on Planisphere at the equinoxes