

Answers to Take-home #5

July 21:

RA = 8h, Dec = +20° (from in-class discussion)

From diagram at right:

Sun rising azimuth: ENE

Sun noon altitude: 70°

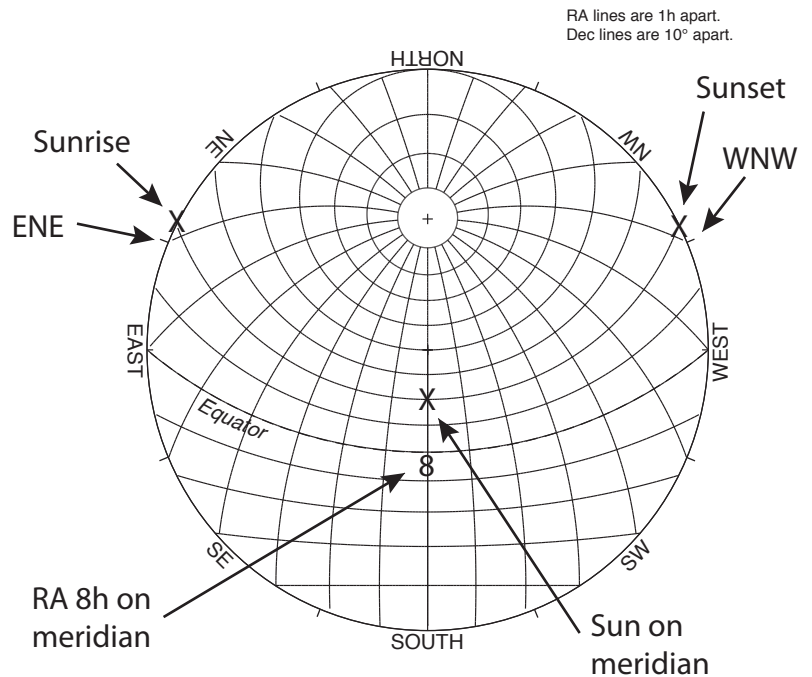
Sun setting azimuth: WNW

Daylight hours = 14h30m

Sunrise time = 4:45 am

Sunset time = 7:15 pm

Sun's Constellation = Cancer (this answer not graded; for info only)



February 21:

RA = 22h, Dec = -12° (from in-class discussion)

From diagram at right:

Sun rising azimuth: ESE

Sun noon altitude: 38°

Sun setting azimuth: WSW

Daylight hours = 10h30m

Sunrise time = 6:45 am

Sunset time = 5:15 pm

Sun's Constellation = Aquarius (this answer not graded; for info only)

