



1. How can you determine the altitude of the sun at noon? Sun's highest point
2. Draw the correct path of the sun with the correct altitude of the sun at noon for March 23rd, and December 21st.
3. What is the latitude of the observer?

23.5°N (Polaris = Latitude)

March 21
 Rises East
 Sets West
 Altitude = 90° summer
 $- 23.5^\circ$ equinox
66.5°

Dec. 21 (Sun)
 Rises S.E.
 Sets S.W.
 Alt. 66.5° equinox
 $- 23.5^\circ$ winter
43°