



The sun's path on the Equinox's have been drawn for you

1. What dates are represented by the sun's path shown?
2. What is the latitude of the observer?
3. How did you figure out the latitude?
4. During the summer the Earth is tilted _____ the sun at an angle of _____ degrees.
5. Draw in the sun's path for June 21st. (Be careful here, use your answer to the last question to help you).
Draw a large dot representing the sun's location at noon. Label this path summer
6. Draw in the sun's path for December 21st. Draw a large dot representing the sun's location at noon. Label this path winter
7. Place an X on the winter path representing where the sun would be at 9 a.m.
8. Place an Y on the Summer path to represent the sun at 3 p.m.
9. Place a Z at the zenith.
10. If you travel south from this location, what happens to the altitude of Polaris?