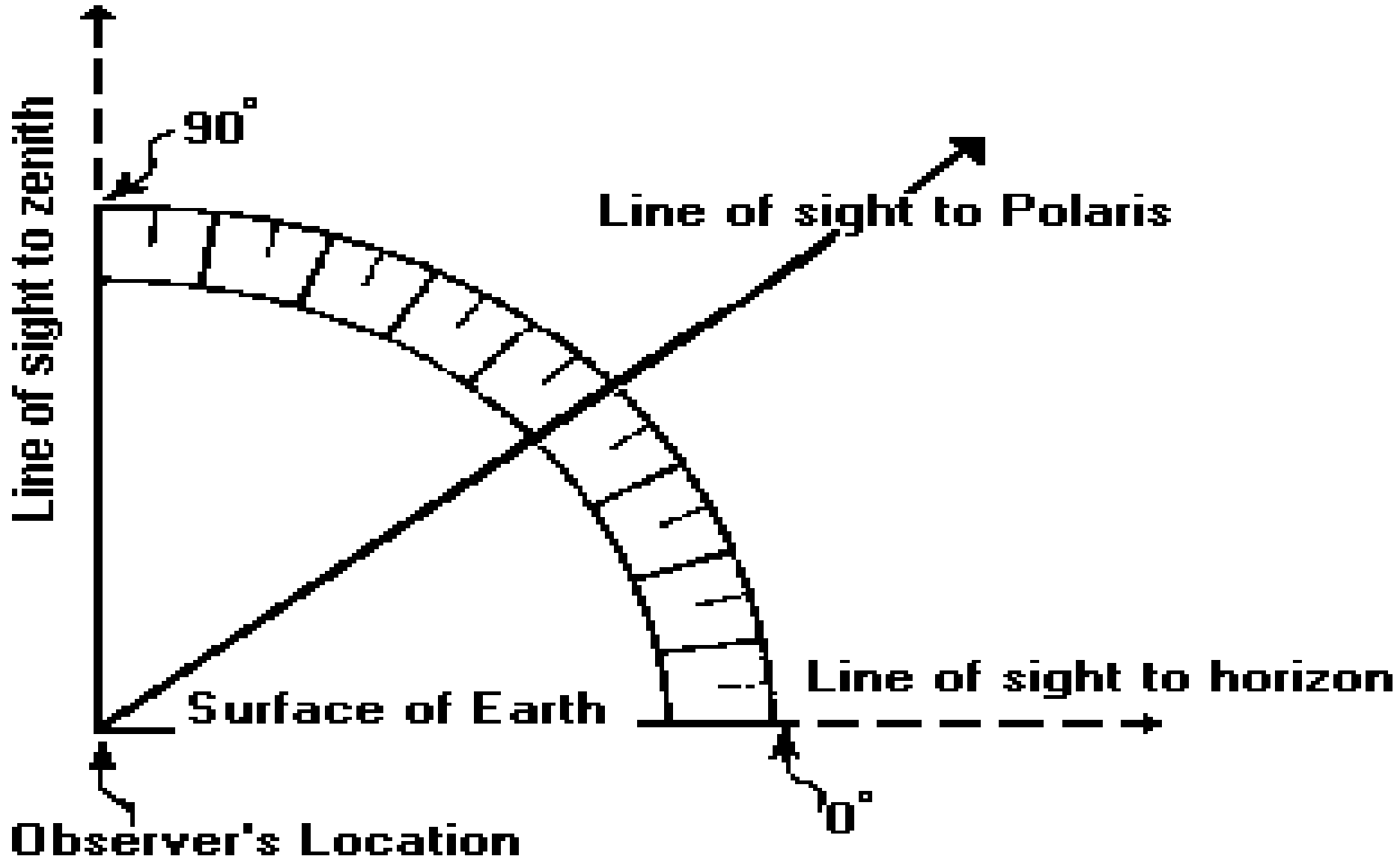
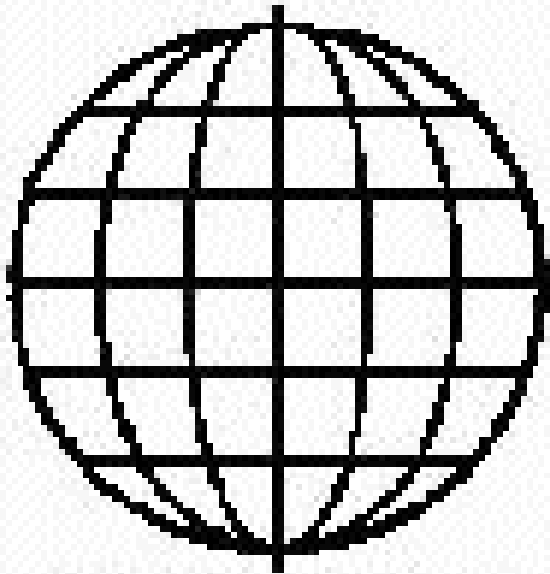


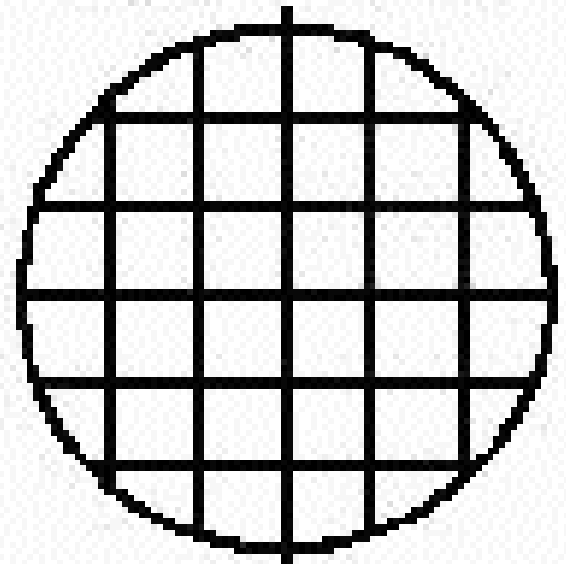
What is the latitude of the observer?



NORTH POLE

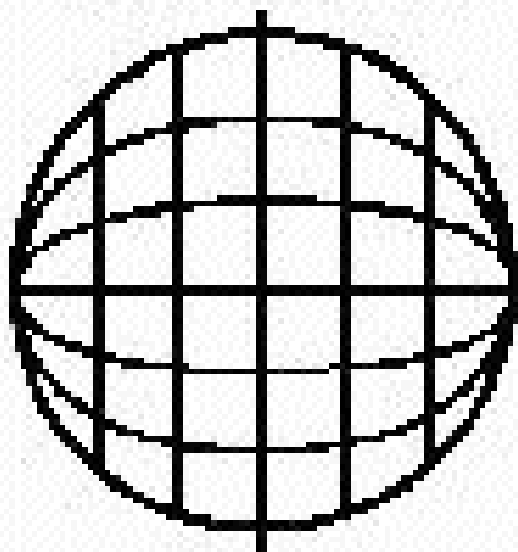


NORTH POLE



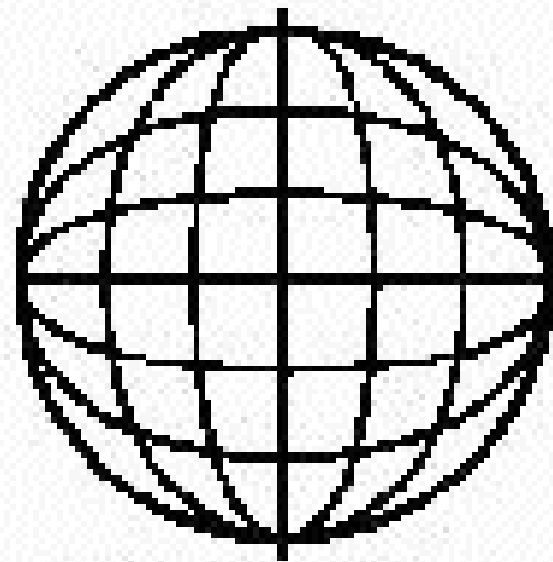
SOUTH POLE

NORTH POLE



SOUTH POLE

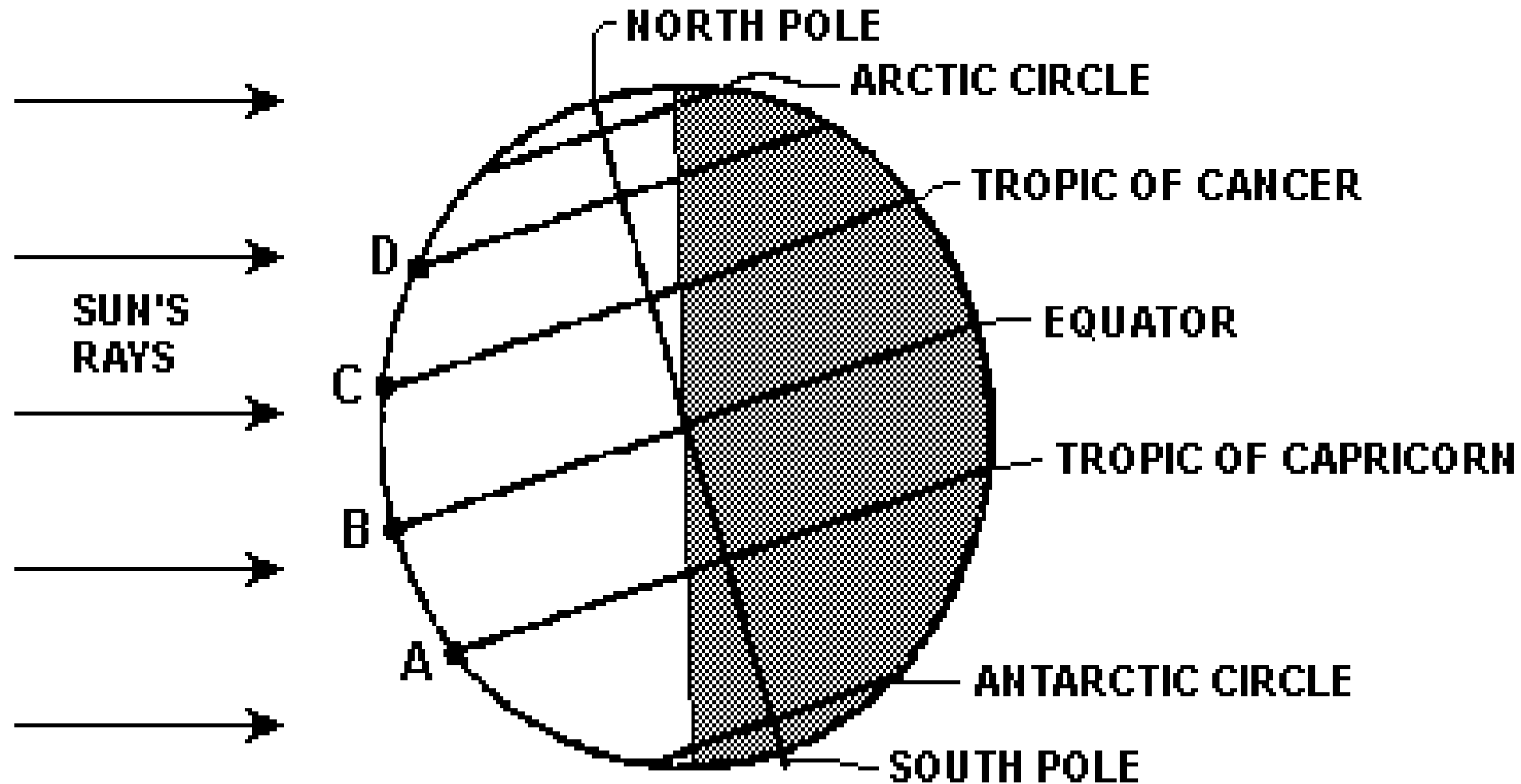
NORTH POLE

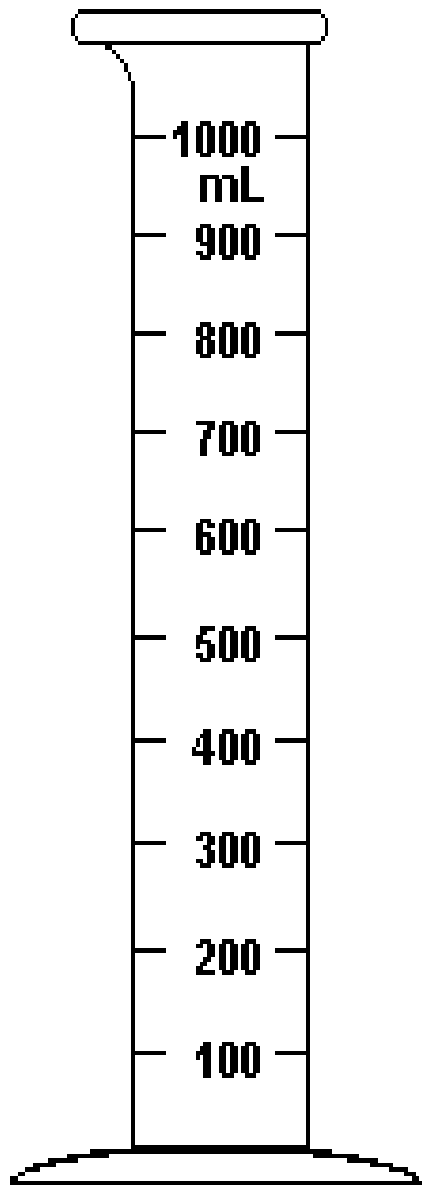


SOUTH POLE

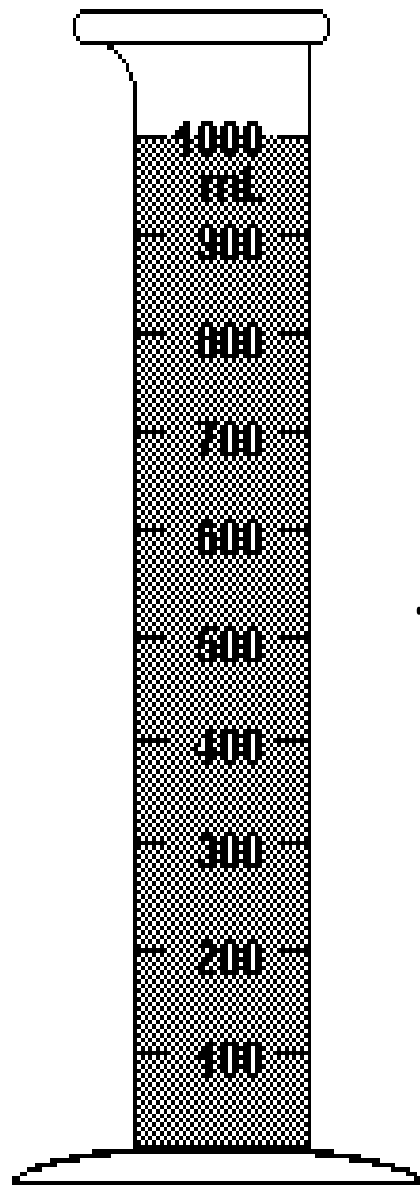
SOUTH POLE

**LOCATIONS A,B,C,AND D ALL HAVE THE SAME?
LATITUDE? TIME? LONGITUDE?**



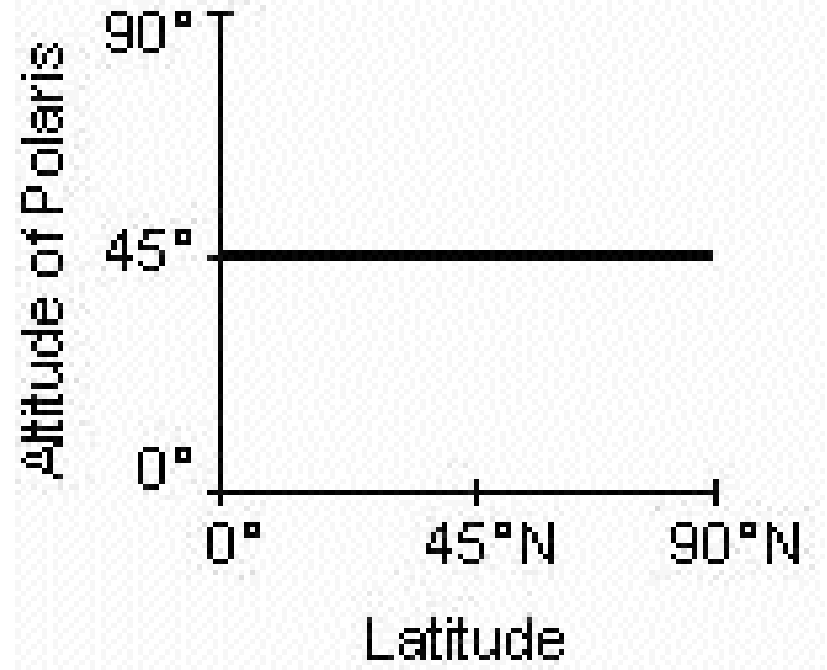
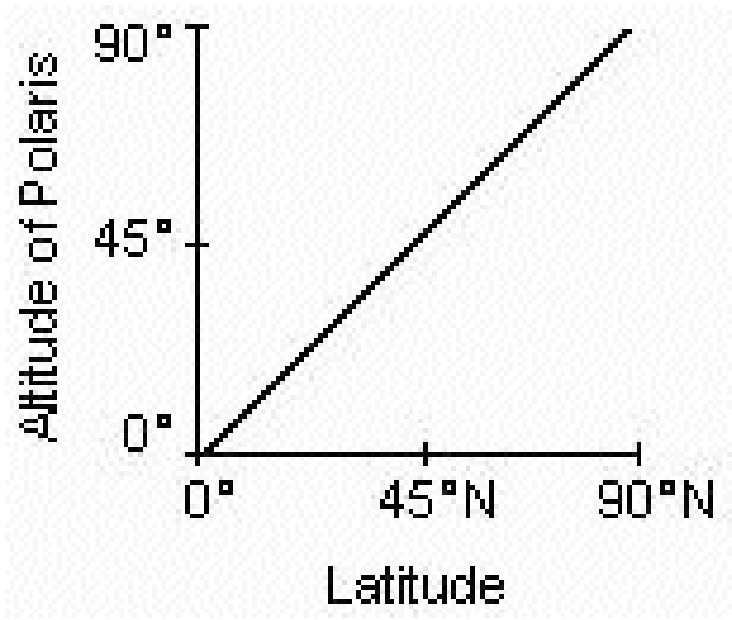
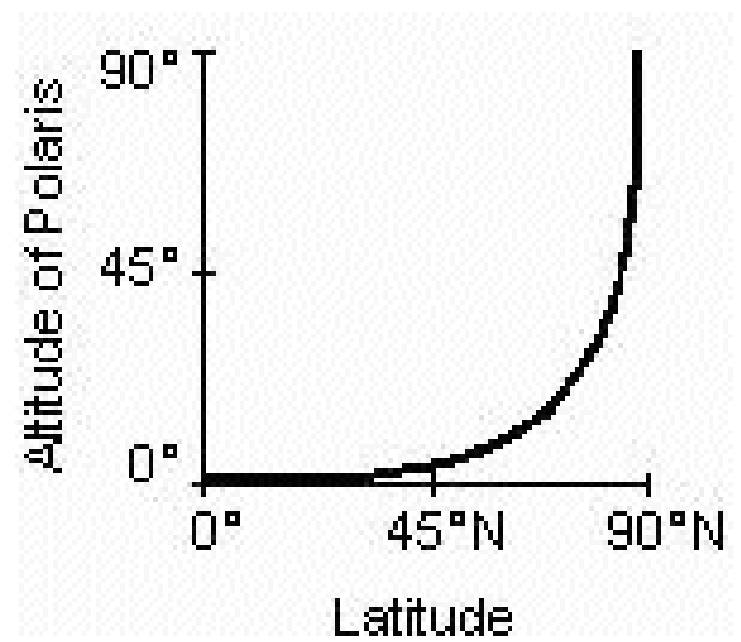
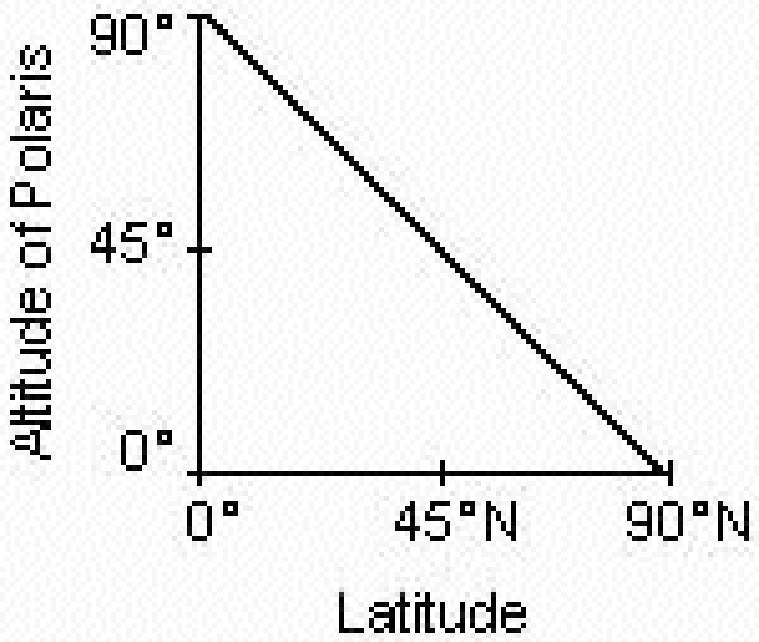


EMPTY
Mass = 250.0 g

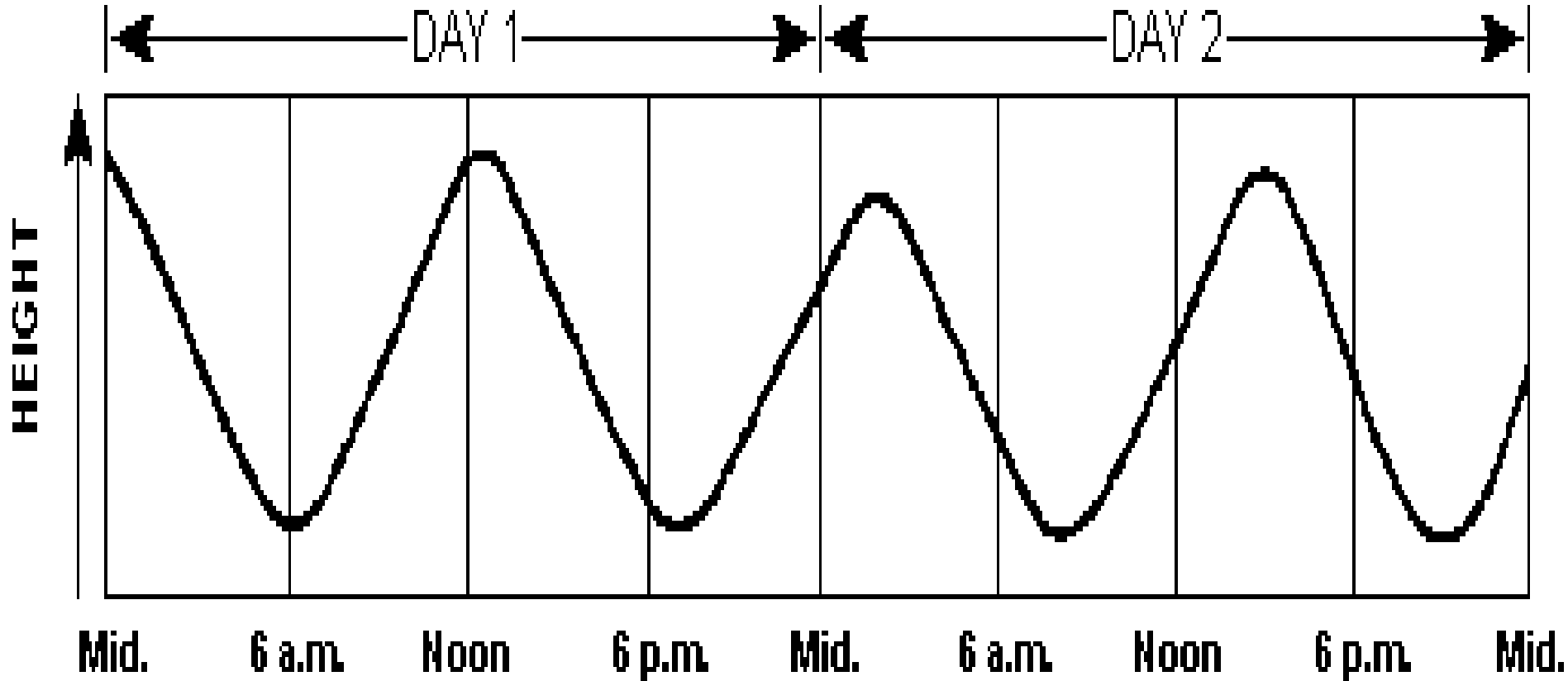


FILLED
Mass = 1300. g

The empty beaker weighs 225 grams, with the liquid it now weighs 1,025 grams. What is the density



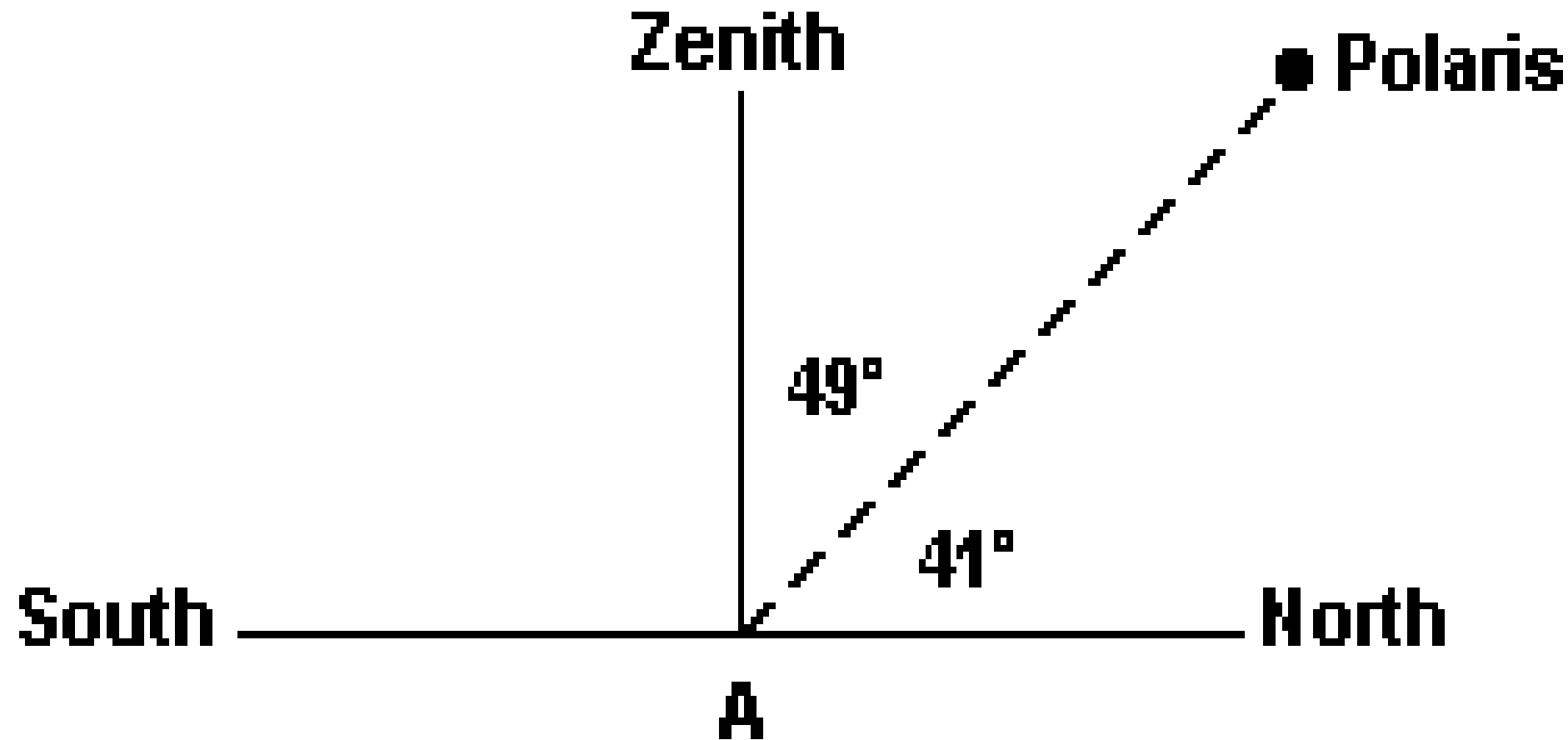
Describe the relationship, and give an example.



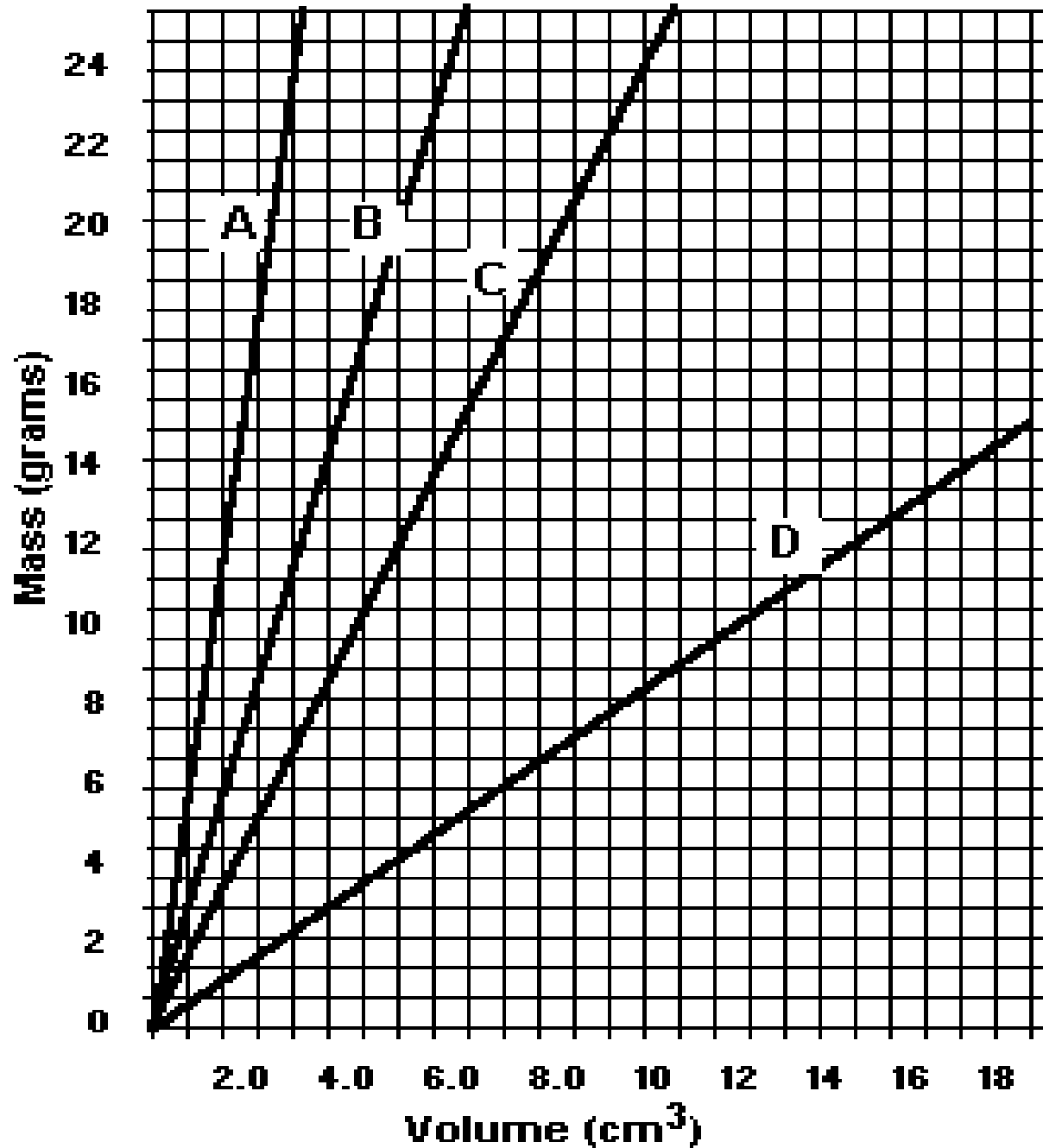
What is the latitude and longitude in degrees and minutes for the following locations

1. Fiji plate
2. Hawaii
3. Riverhead
4. Albany

Name a city in New York where this measurement might have been taken

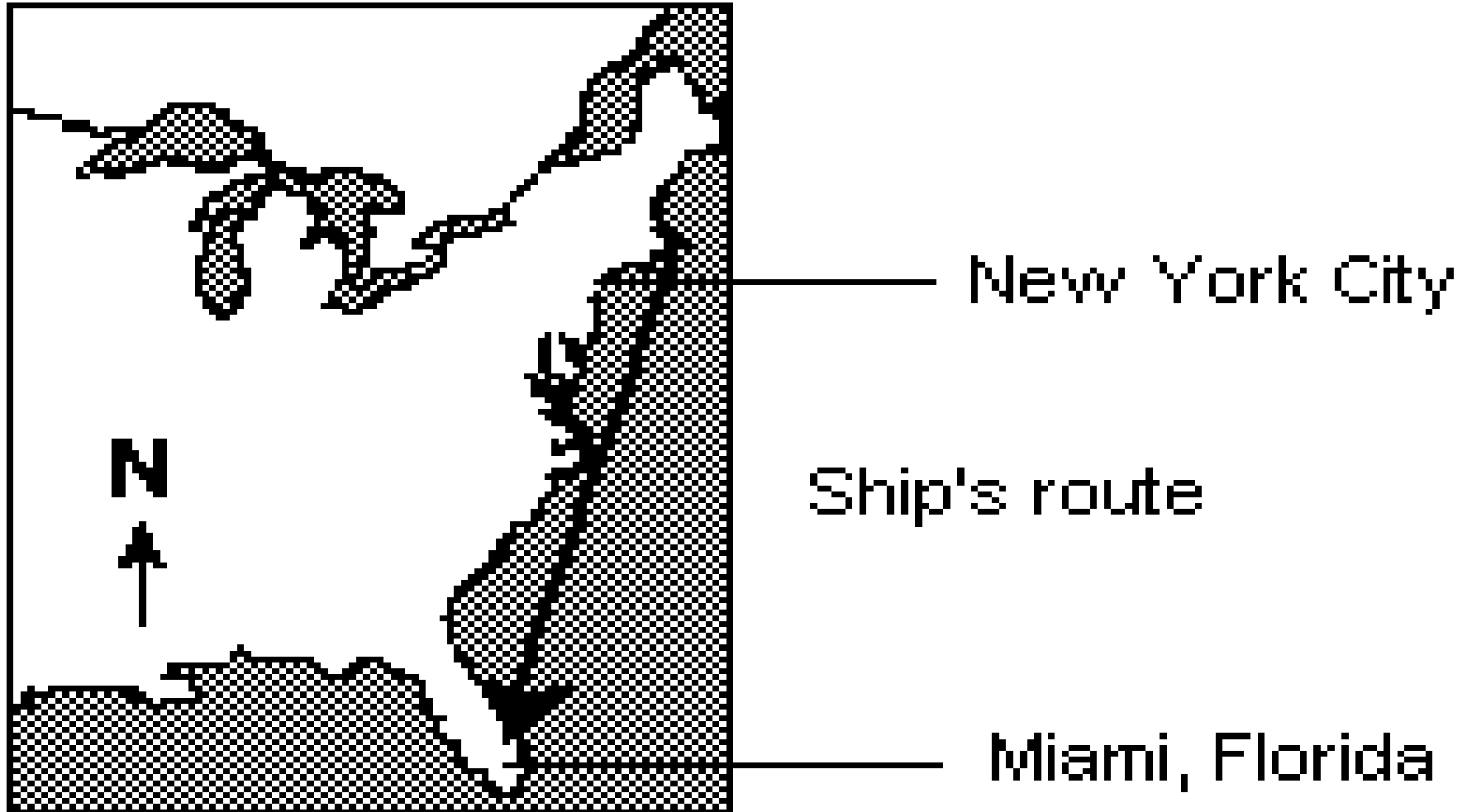


MASSSES AND VOLUMES OF EARTH MATERIALS

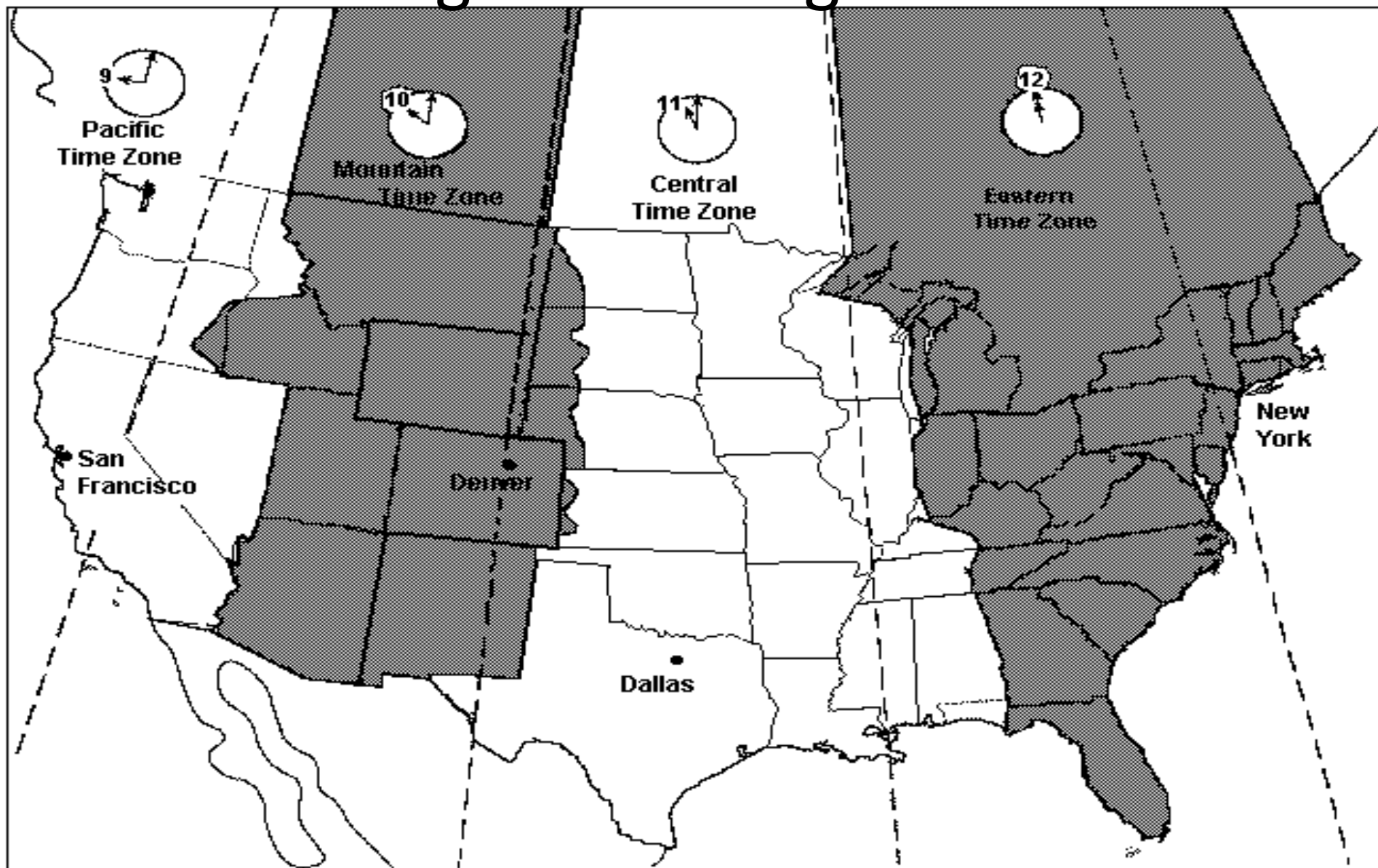


Which line has the greatest density?

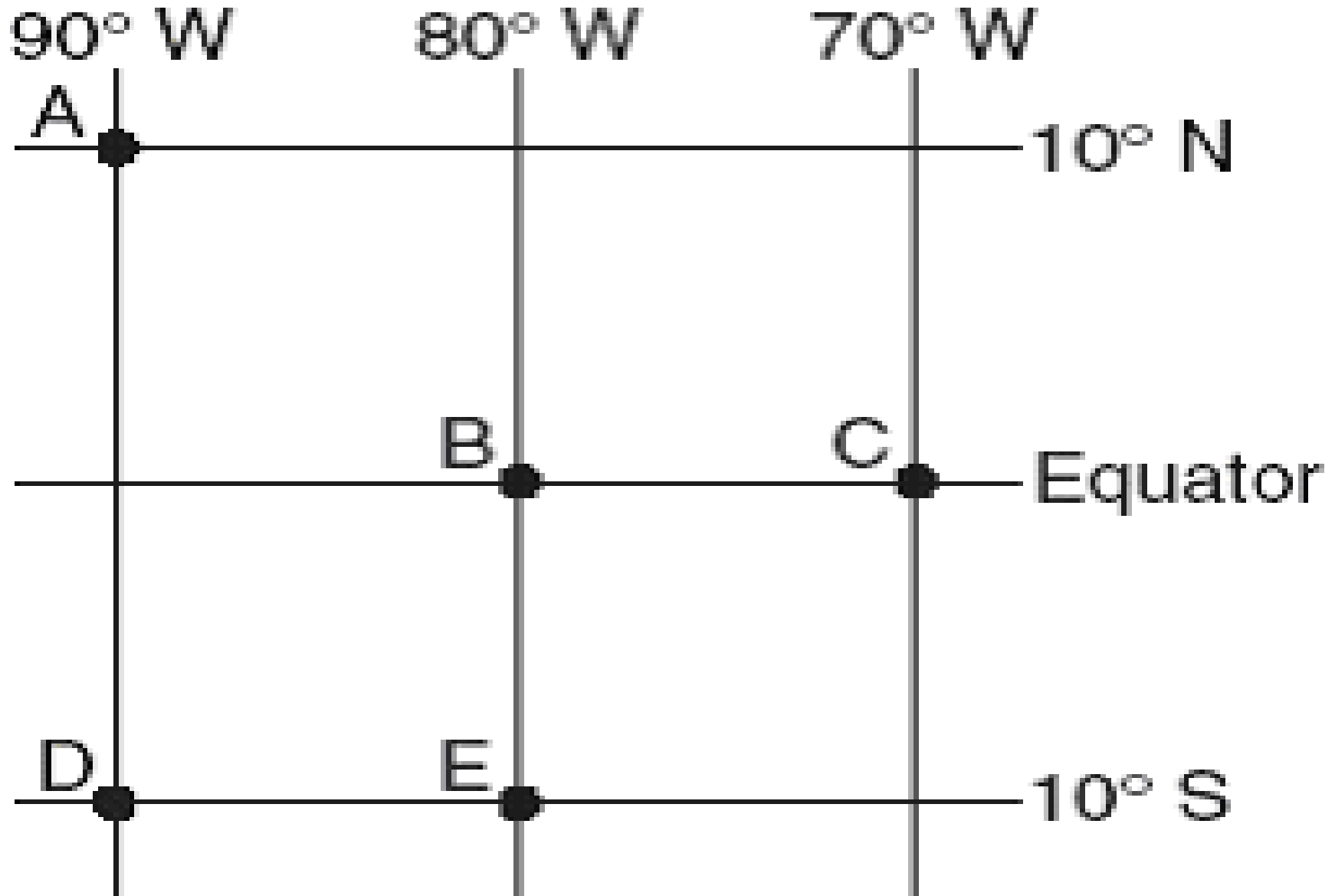
What happens to the altitude of Polaris as the ship sails towards Miami? What happens to the ship's Longitude?



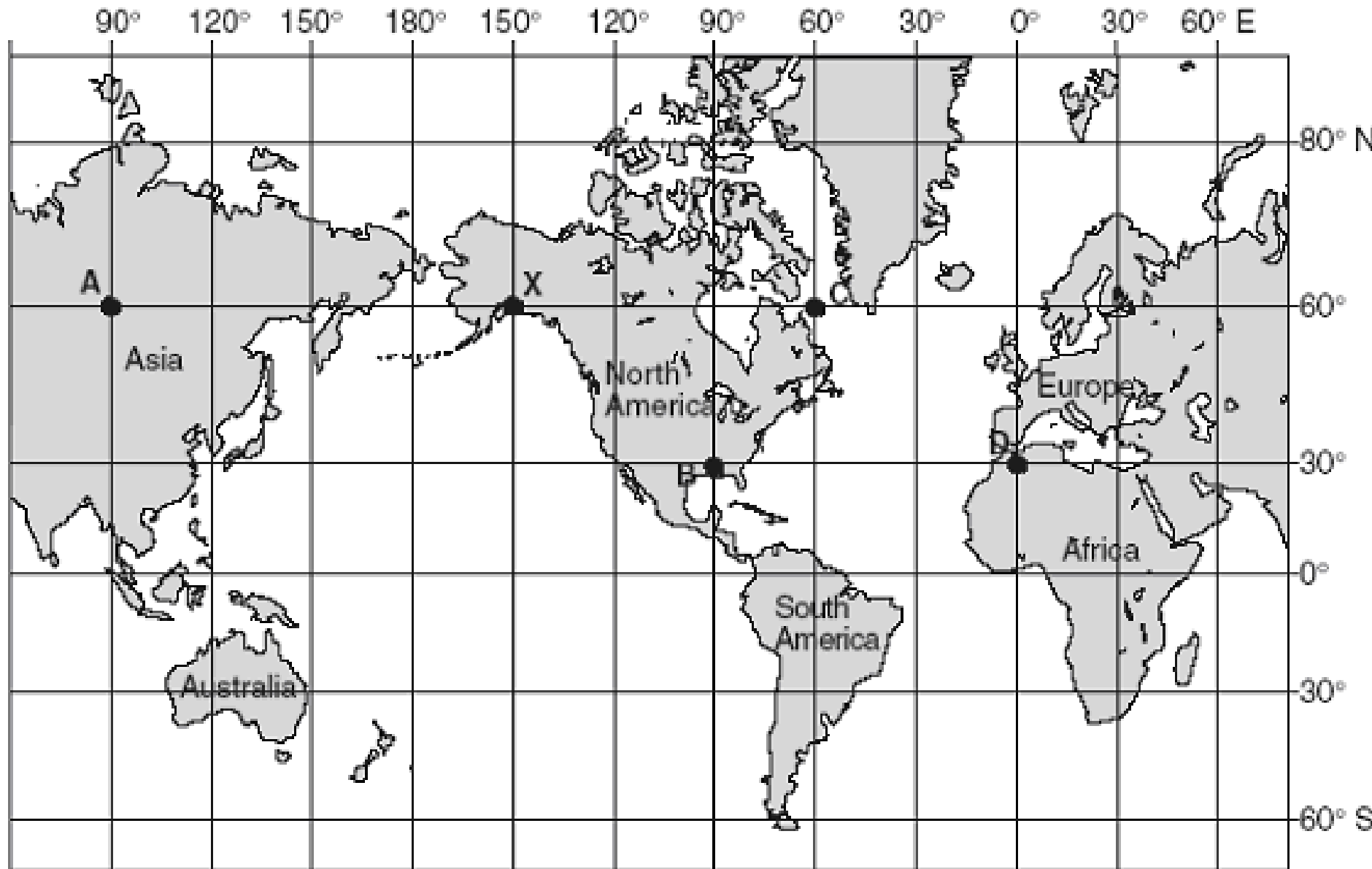
Each time zone is separated by how many degrees of longitude?

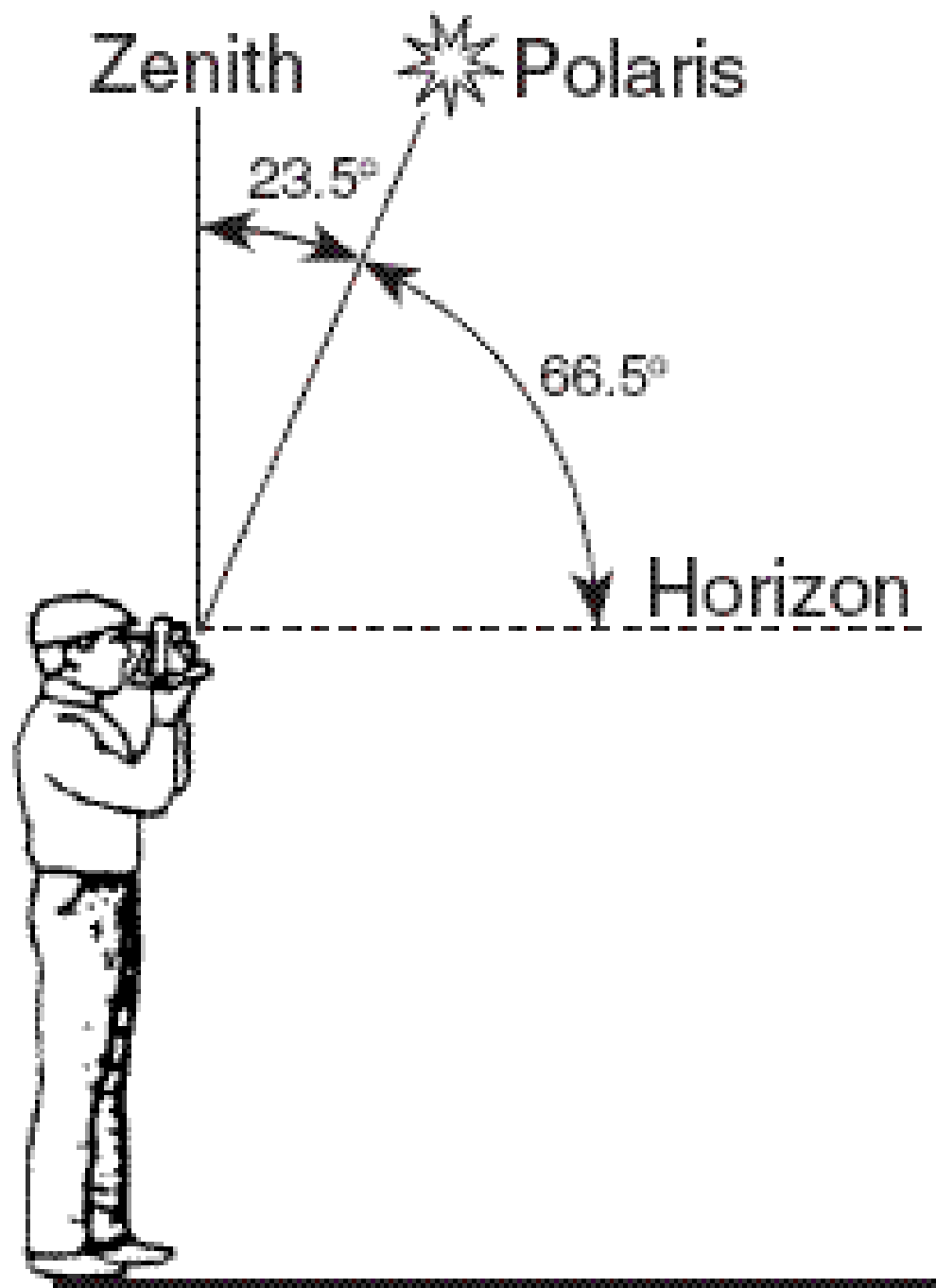


Which two locations have the same local time? Which two have the same latitude

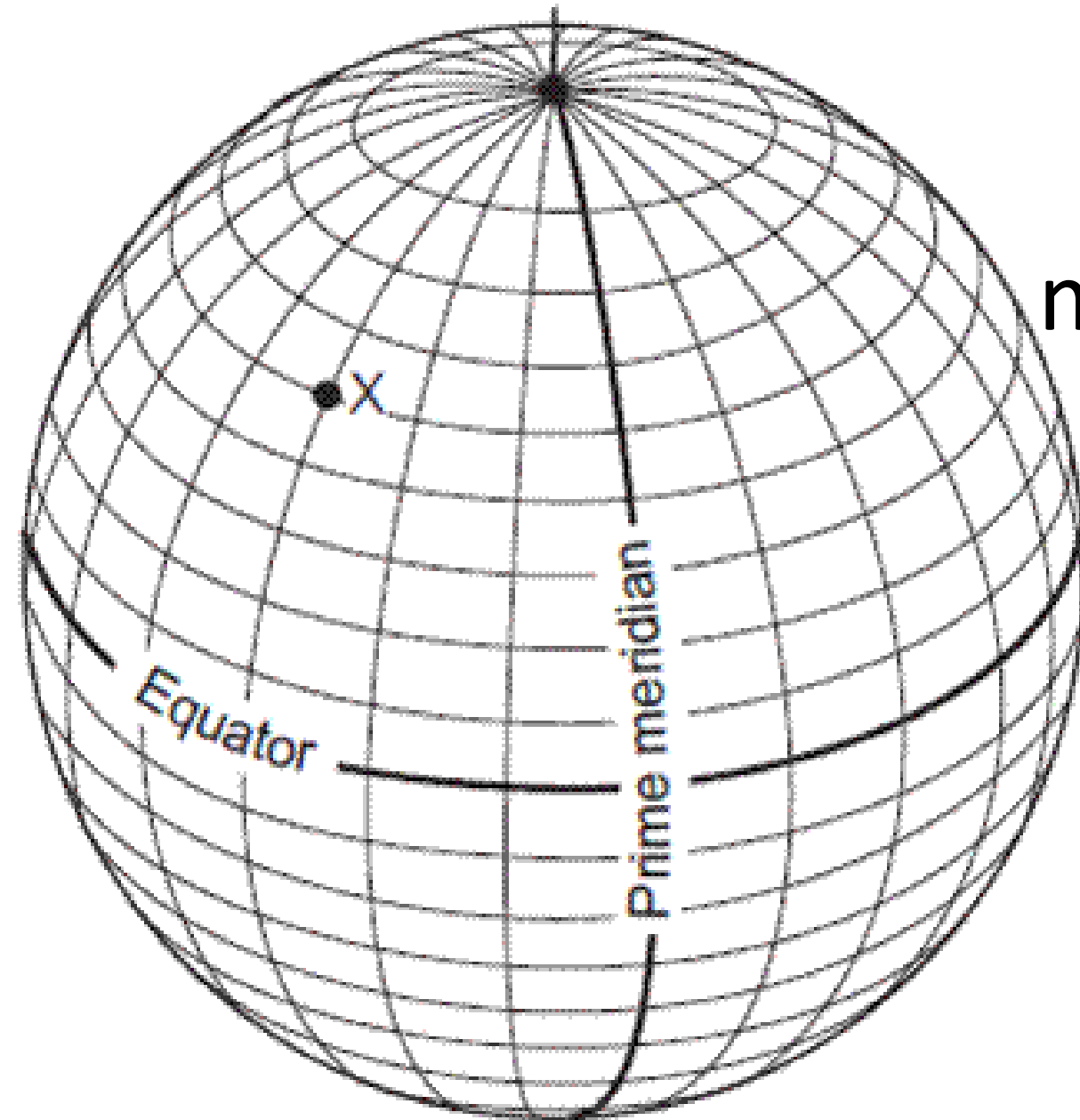


If it is 2PM at location X what time is it at location C?





North Pole



If it is 2am at the prime meridian, what time is it at location X?

Answer the following using your ESRT

1. In which layer of the atmosphere is most water vapor contained?
2. What happens to the temperature you travel from the Mesopause to the Tropopause?