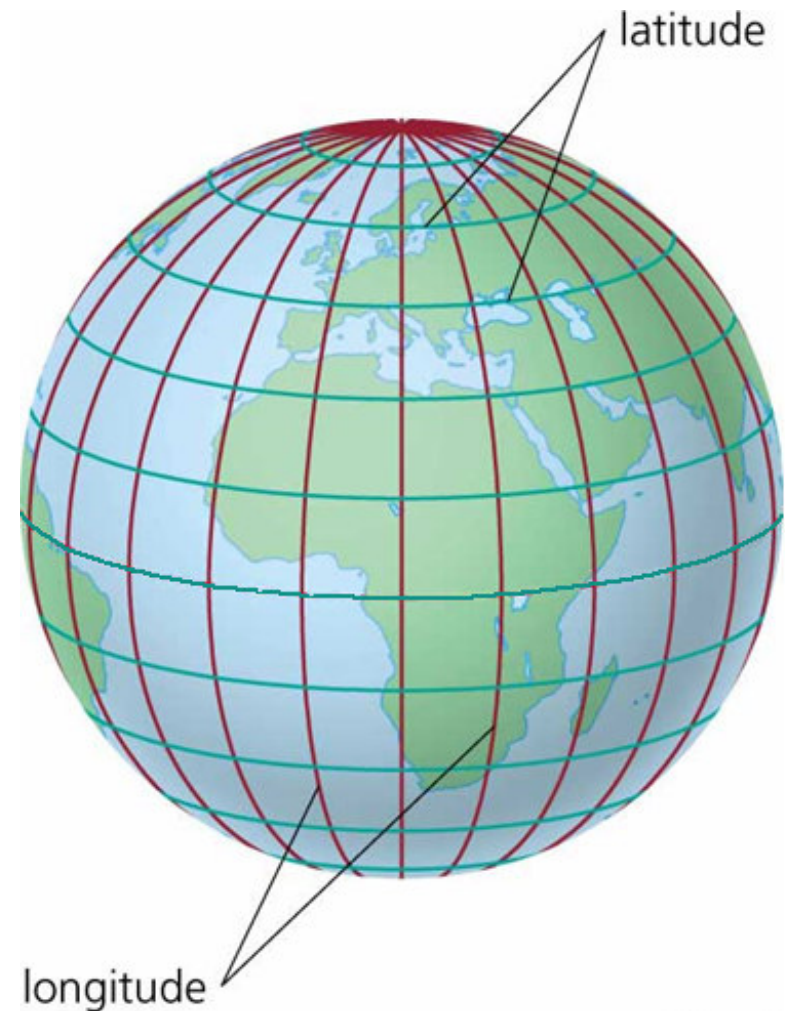


Representing Earth's Surface

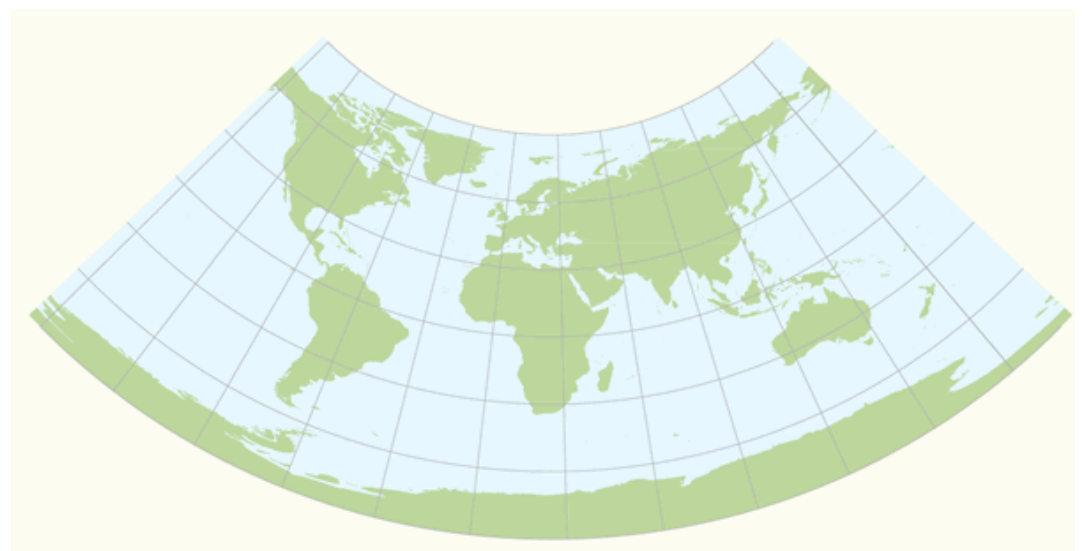
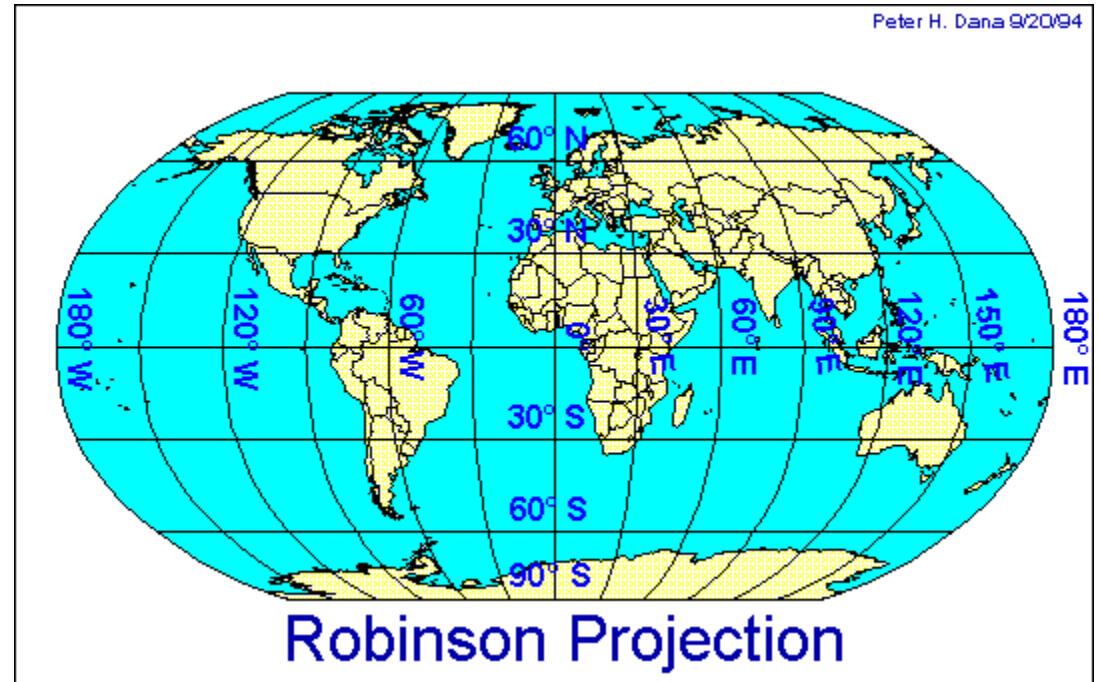
Determining Location

- Latitude and longitude are lines on the globe that are used to determine location and is measured in degrees.
- **Latitude** is distance north or south of the equator. Horizontal blue lines on globe.
- **Longitude** is distance east or west of the prime meridian, measured in degrees. Vertical red lines on globe.



Maps and Mapping

- No matter what kind of map is made, some portion of the surface will always look either too small, too big, or out of place. Mapmakers have, however, found ways to limit the distortion of shape, size, distance and direction.



Topographic Maps

Topographic maps represent Earth's surface in three dimensions; they show elevation, distance directions, and slope angles.

- **Contour lines** are lines on a topographic map that indicate an elevation.
- **Contour interval** is the distance in elevation between adjacent contour lines.

