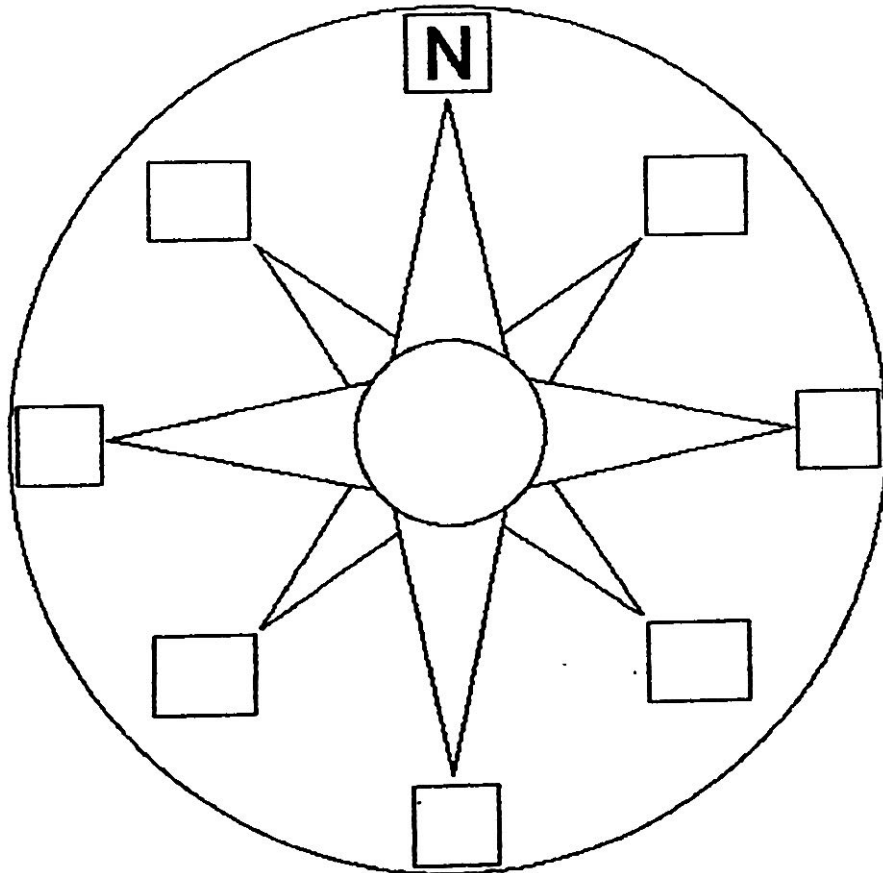


Name \_\_\_\_\_

Date \_\_\_\_\_

## The Compass Rose

A compass rose is a design on a map that shows direction.  
It shows north, south, east, west, northeast, northwest, southeast, and southwest.



# Latitude and Longitude

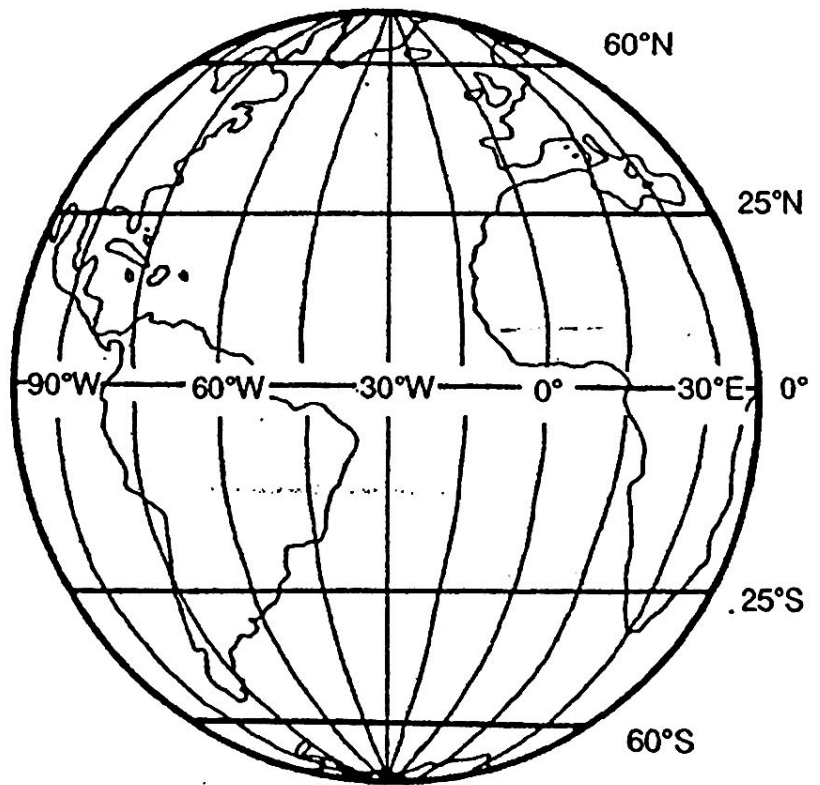
You can find places in the world by knowing how to read *latitude* and *longitude* lines. Latitude and longitude lines (also called *meridian* lines) are imaginary lines that divide the Earth. You have already learned two of these lines — the equator and the prime meridian. The equator is the main line of latitude. The prime meridian is the main line of longitude.

**Latitude** lines run from west to east. They measure distances north and south of the equator.

The equator cuts the world into north and south latitude. The equator is marked 0 degrees. The latitude lines north of the equator are marked  $^{\circ}\text{N}$  (degrees north) and the latitude lines south of the equator are marked  $^{\circ}\text{S}$  (degrees south).

**Longitude** lines run from north to south, pole to pole. They measure distances west and east of the prime meridian.

The prime meridian cuts the world into west and east longitudes. The longitude lines west of the prime meridian are marked  $^{\circ}\text{W}$  (degrees west) and the longitude lines east of the prime meridian are marked  $^{\circ}\text{E}$  (degrees east).

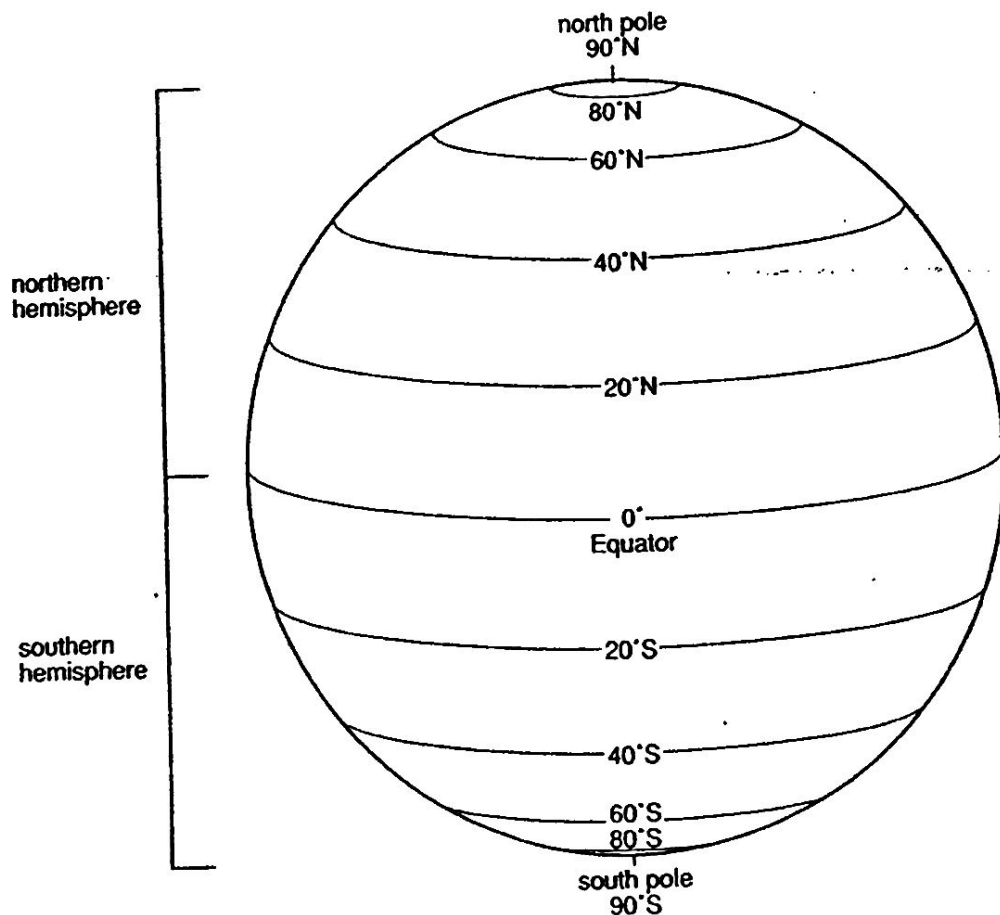


1. Which lines run from west to east? \_\_\_\_\_
2. Which lines run from north to south? \_\_\_\_\_
3. The equator is a line of \_\_\_\_\_ (latitude or longitude)
4. The prime meridian is a line of \_\_\_\_\_ (latitude or longitude)

# Where on Earth? Part 1

**Lines of latitude** are imaginary lines that run east to west around the earth. These lines are measured in degrees. The **equator** is  $0^\circ$  latitude, and it divides the earth into two halves, the **northern hemisphere** and the **southern hemisphere**. The map below shows lines of latitude in  $20^\circ$  segments. Use this map to answer the following questions.

1. At what degree north can you find the north pole? \_\_\_\_\_
2. What is the  $0^\circ$  latitude line called? \_\_\_\_\_
3. At what degree south can you find the south pole? \_\_\_\_\_
4. The portion of the globe from  $0^\circ$  latitude to the north pole is the \_\_\_\_\_ hemisphere.
5. The portion of the globe from  $0^\circ$  latitude to the south pole is the \_\_\_\_\_ hemisphere.



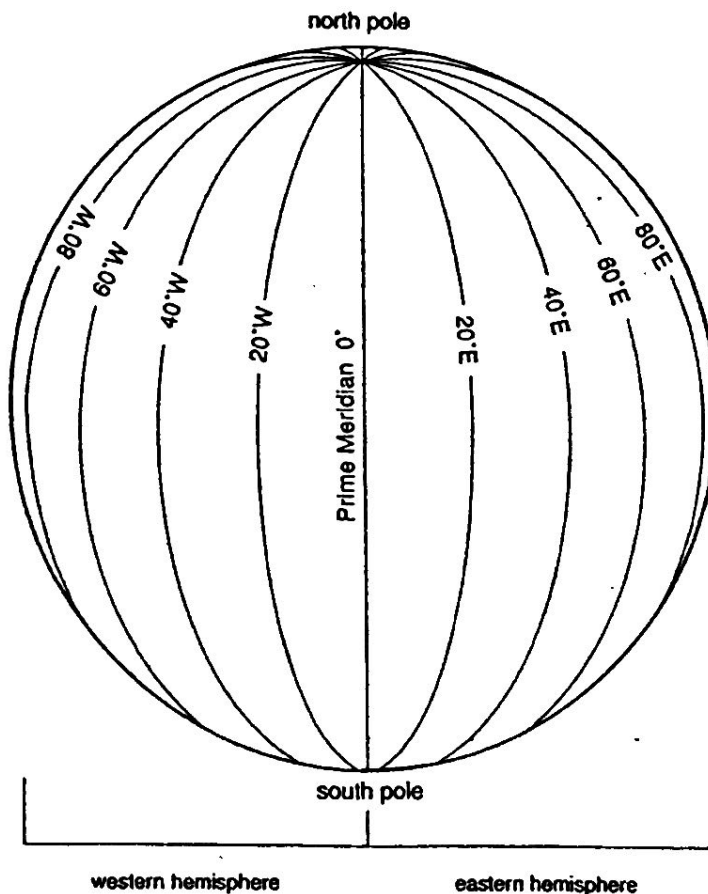
Name \_\_\_\_\_

longitude

## Where on Earth? Part 2

**Lines of longitude** are imaginary lines that run north to south on the Earth. They are measured in degrees and are used with lines of latitude to help locate places on the globe. The **prime meridian** is  $0^\circ$  longitude. Along with  **$180^\circ$  longitude**, it divides the Earth into eastern and western hemispheres. The world **time zones** begin at this line. The map below shows lines of longitude in  $20^\circ$  segments. Use the map to answer the following questions.

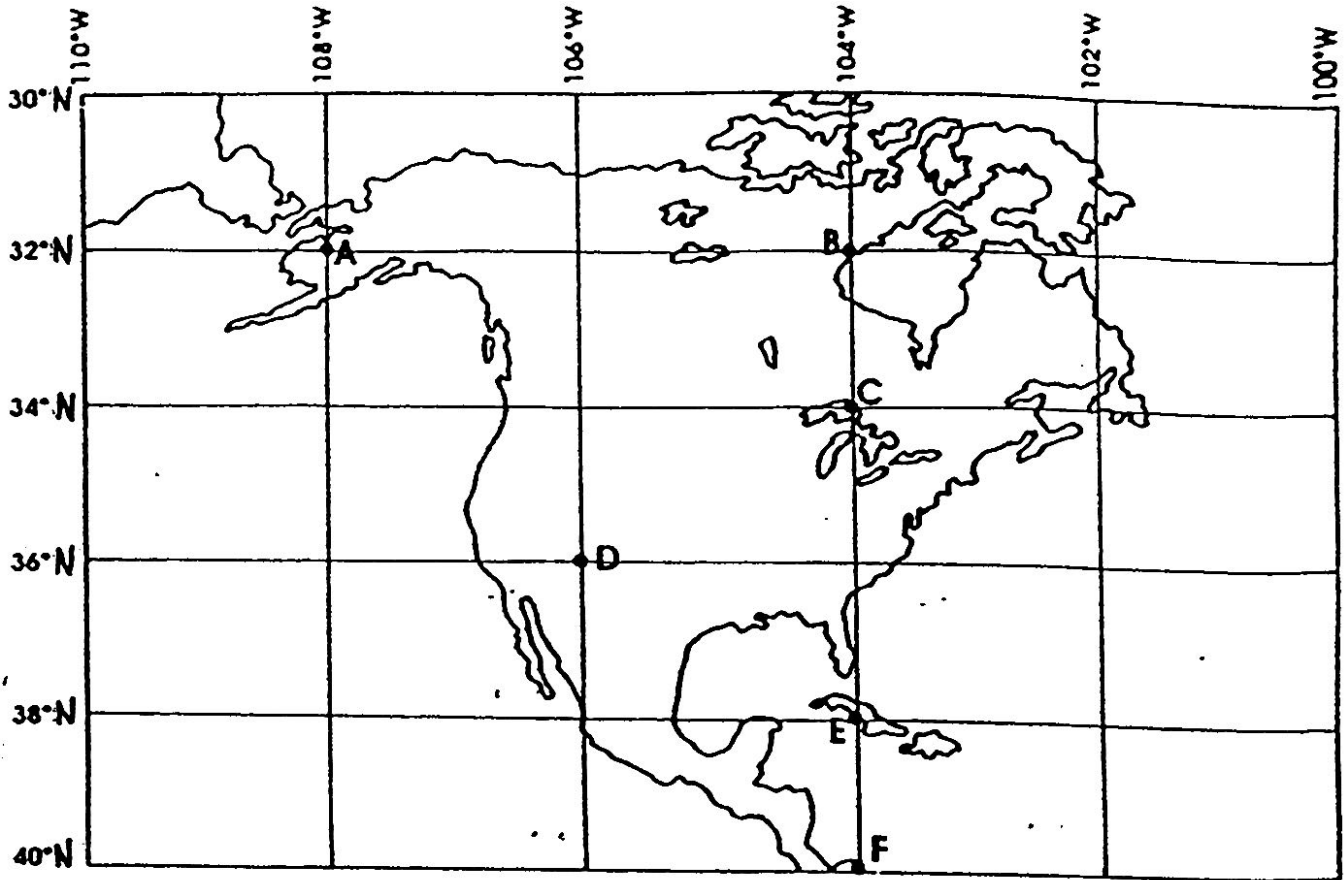
1. What is the line at  $0^\circ$  longitude called? \_\_\_\_\_
2. The portion of the globe from the prime meridian east to  $180^\circ$  longitude is the \_\_\_\_\_ hemisphere.
3. The portion of the globe from the prime meridian west to  $180^\circ$  longitude is the \_\_\_\_\_ hemisphere.



# Using Latitude and Longitude

Name \_\_\_\_\_

Use the latitude and longitude grid to pinpoint each location specified in the questions below.



1. What is the latitude of ...

point A? \_\_\_\_\_

point D? \_\_\_\_\_

point B? \_\_\_\_\_

point E? \_\_\_\_\_

point C? \_\_\_\_\_

point F? \_\_\_\_\_

2. What is the longitude of ...

point A? \_\_\_\_\_

point D? \_\_\_\_\_

point B? \_\_\_\_\_

point E? \_\_\_\_\_

point C? \_\_\_\_\_

point F? \_\_\_\_\_

3. Give the location of ...

point A. \_\_\_\_\_

point D. \_\_\_\_\_

point B. \_\_\_\_\_

point E. \_\_\_\_\_

point C. \_\_\_\_\_

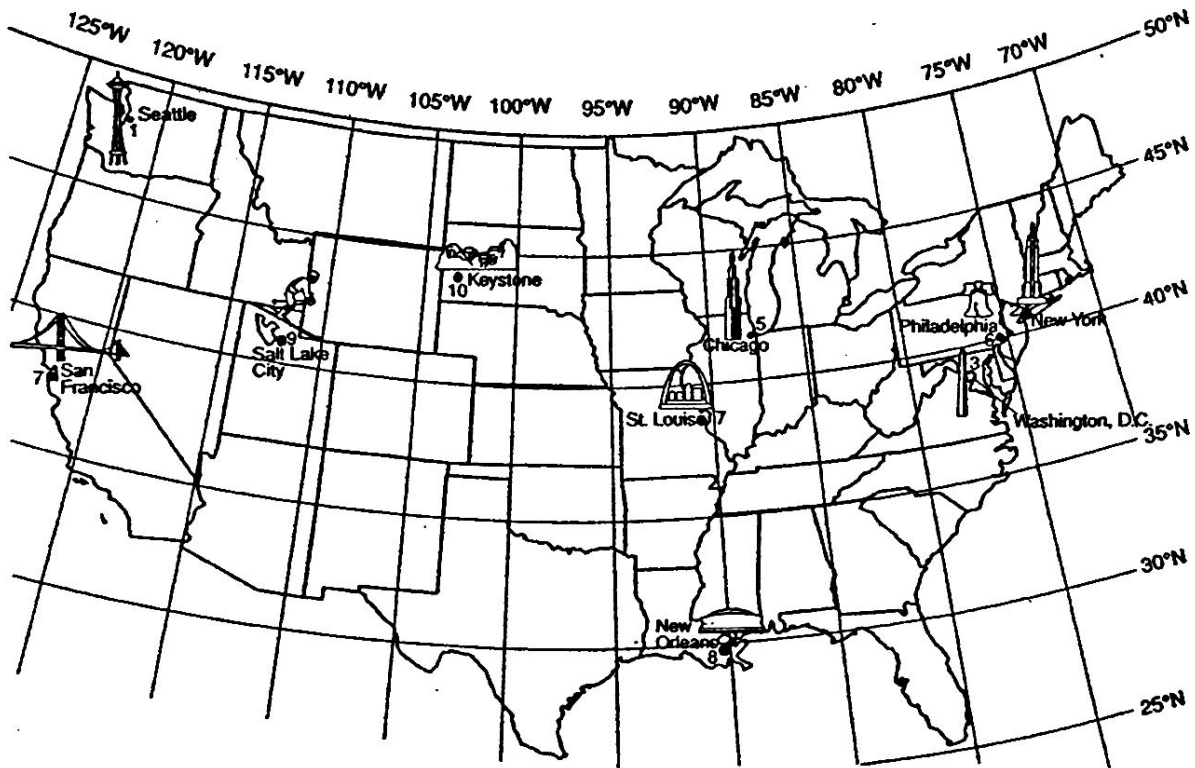
point F. \_\_\_\_\_

Name \_\_\_\_\_

latitude and longitude

# Locating Landmarks

Find each landmark by locating its number on the map below. Then, fill in the missing information. Estimate the latitude and longitude of the cities where the landmarks or events are located or write the cities' names that match the coordinates given.



Landmark	Latitude	Longitude	City
1. Space Needle	<u>48°N</u>	<u>122°W</u>	_____
2. Empire State Building	_____	_____	<u>New York</u>
3. Washington Monument	<u>39°N</u>	<u>77°W</u>	_____
4. Gateway Arch	_____	_____	<u>St. Louis</u>
5. Sears Tower	_____	_____	<u>Chicago</u>
6. Liberty Bell	<u>40°N</u>	<u>76°W</u>	_____
7. Golden Gate Bridge	<u>38°N</u>	<u>122°W</u>	_____
8. Superdome	_____	_____	<u>New Orleans</u>
9. 2002 Winter Olympics	_____	_____	<u>Salt Lake City</u>
10. Mt. Rushmore	<u>44°N</u>	<u>104°W</u>	_____