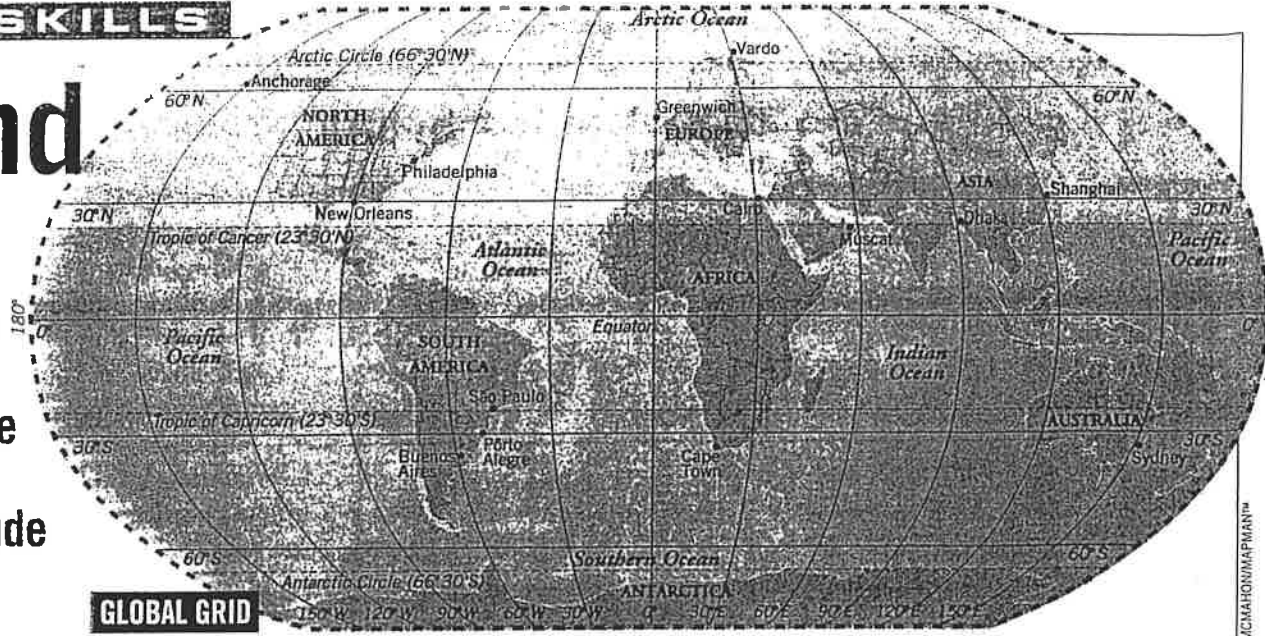


# Find It!

## How to Use Latitude and Longitude



**GLOBAL GRID**

**C**an you find your exact location on a world map? Street numbers and ZIP codes won't help. Map-makers put imaginary lines on maps to find places. These lines are called **latitude** and **longitude**. Here's how they work:

**Latitude:** Lines of latitude measure distance north and south of the **equator**, an imaginary line that circles the globe exactly halfway between the North and South poles (see *globe A*). The equator is at 0° latitude. As you travel north (N) or south (S) of the equator, latitude increases—up to 90°N at the North Pole and 90°S at the South Pole.

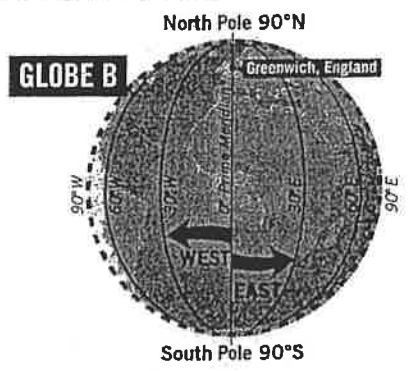
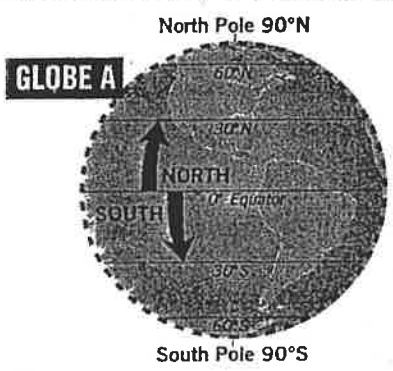
**Longitude:** Lines of longitude

measure distance east and west of the **prime meridian**, an imaginary line that passes through Greenwich, England (see *globe B*). The prime meridian is at 0° longitude. As you travel east (E) or west (W) of Greenwich, longitude increases—up to the 180° meridian, which is located in the Pacific Ocean.

**Global Grid:** When latitude and longitude lines are combined on a

map, they form a grid (see *global grid*). Any spot on Earth can be located by its latitude and longitude. For example, New Orleans, Louisiana, is located at almost exactly 30°N, 90°W. (Latitude is always given first, then longitude.) Both latitude and longitude are measured in degrees.

Study the map and globes, then answer the questions below.

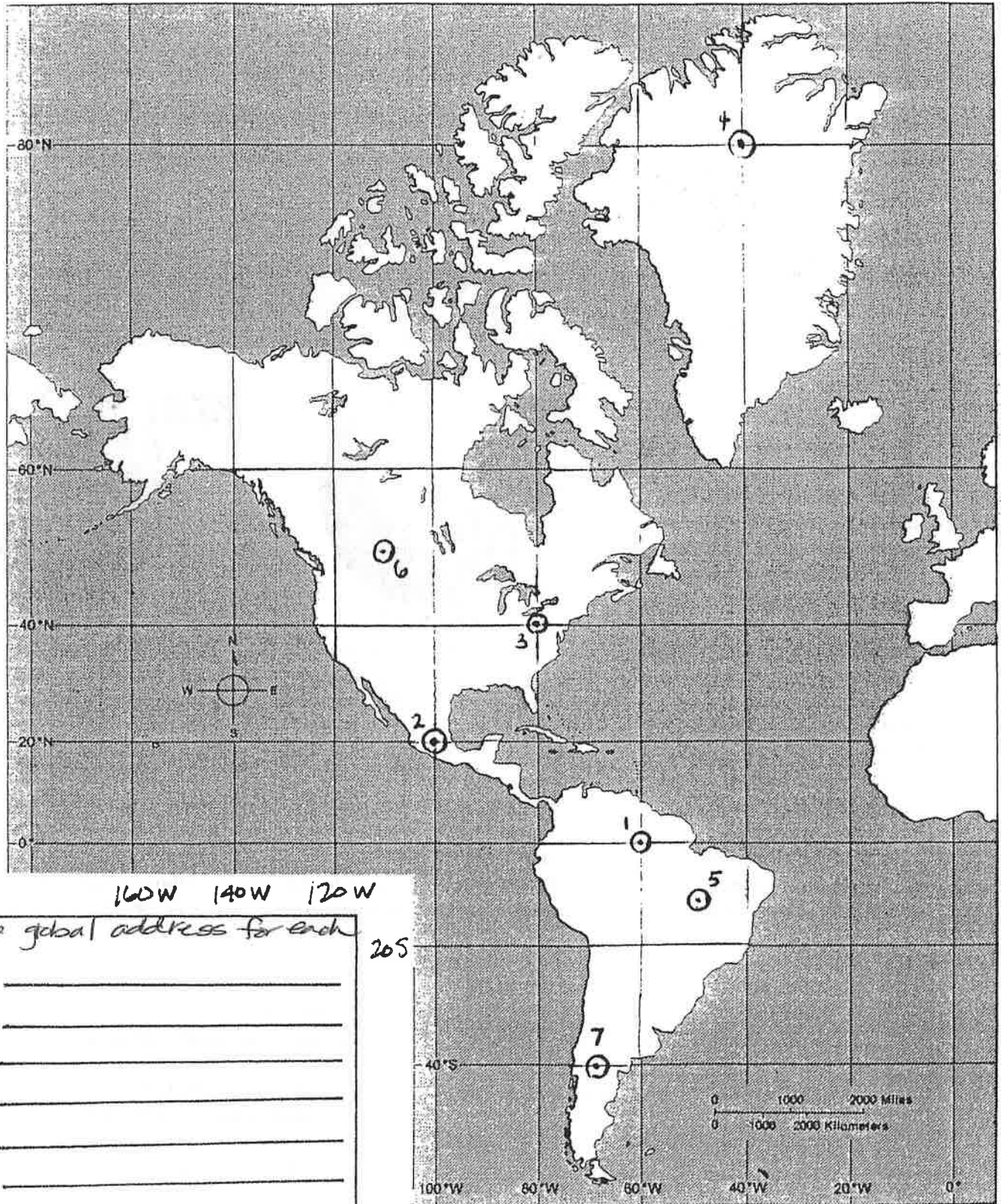


**QUESTIONS**

1. Latitude measures distance north and south of what named line? \_\_\_\_\_
2. Longitude measures distance east and west of what named line? \_\_\_\_\_
3. Pôrto Alegre, Brazil, is located on what line of latitude? \_\_\_\_\_
4. Anchorage, Alaska, is located on what line of longitude? \_\_\_\_\_
5. A ship located at 30°S, 120°W, would be in which ocean? \_\_\_\_\_
6. If you were located at 30°N, 90°E, on what continent would you be? \_\_\_\_\_
7. São Paulo, Brazil, is near what named line of latitude? \_\_\_\_\_
8. What city is located near 30°N, 30°E? \_\_\_\_\_
9. What city is located near 30°N, 120°E? \_\_\_\_\_
10. Other than Antarctica, which continent is located closest to the South Pole? \_\_\_\_\_

Name: \_\_\_\_\_ *QUIZ REVIEW over*

# 72 Western Hemisphere



160W 140W 120W

20S

- Write the global address for each number.
1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_

- Find the distance from each point using the scale:
8. 1-5 (in miles) : \_\_\_\_\_
  9. 2-3 (in miles) : \_\_\_\_\_
  10. 3-6 (in miles) : \_\_\_\_\_