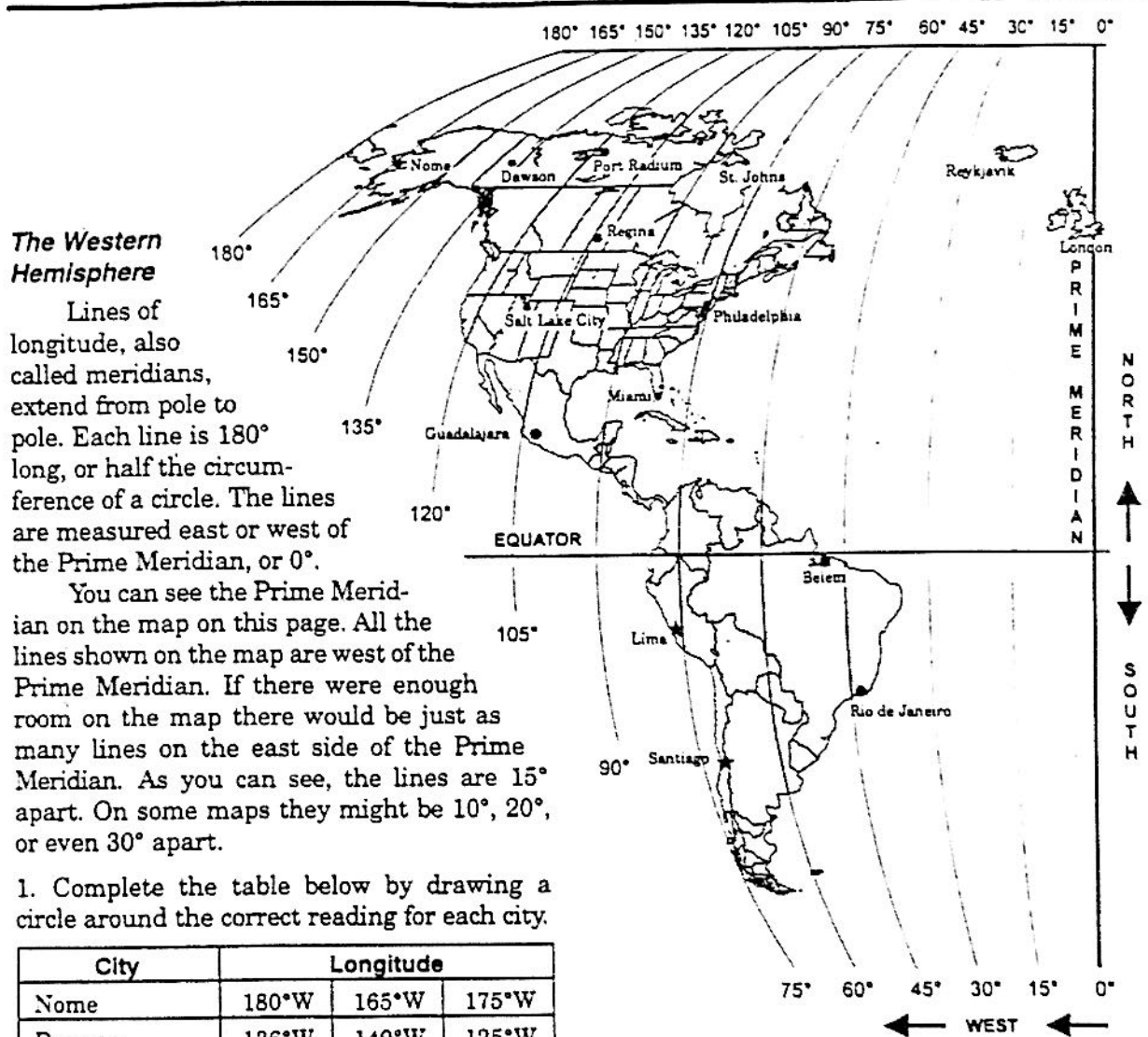


## USING LONGITUDE TO LOCATE PLACES IN THE WESTERN HEMISPHERE



### The Western Hemisphere

Lines of longitude, also called meridians, extend from pole to pole. Each line is 180° long, or half the circumference of a circle. The lines are measured east or west of the Prime Meridian, or 0°.

You can see the Prime Meridian on the map on this page. All the lines shown on the map are west of the Prime Meridian. If there were enough room on the map there would be just as many lines on the east side of the Prime Meridian. As you can see, the lines are 15° apart. On some maps they might be 10°, 20°, or even 30° apart.

1. Complete the table below by drawing a circle around the correct reading for each city.

City	Longitude		
Nome	180°W	165°W	175°W
Dawson	136°W	149°W	125°W
Reykjavik	30°W	15°W	21°W
Regina	115°W	104°W	94°W
Salt Lake City	112°W	102°W	119°W
Philadelphia	81°W	75°W	70°W
Miami	98°W	90°W	80°W
Guadalajara	115°W	103°W	95°W
Belem	48°W	41°W	58°W
Lima	83°W	77°W	67°W
Rio de Janeiro	50°W	43°W	37°W
Santiago	77°W	64°W	71°W

2. Only lines of longitude can accurately tell you whether one city is farther west or east of another city. For example, Salt Lake

City appears farther west than Port Radium, but Port Radium is closer to the 120° line. So, it is farther west than Salt Lake City.

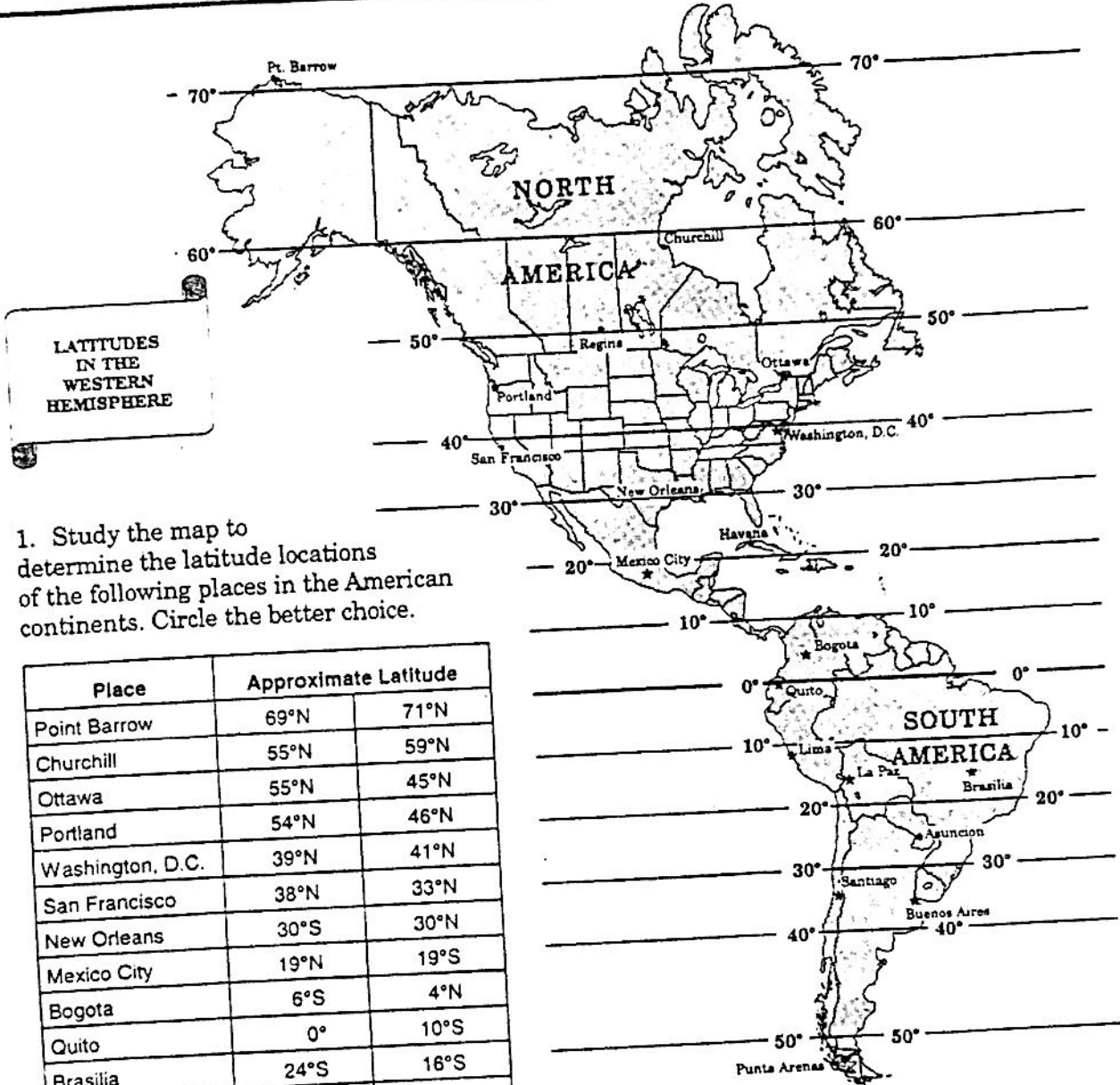
✎ What city is farther west, Port Radium or Guadalajara? \_\_\_\_\_

✎ What city is farther west, Rio de Janeiro or St. Johns? \_\_\_\_\_

3. How many degrees apart are Belem (48°W) and Lima (77°W)? \_\_\_\_\_

✎ Miami (80°W) and Nome (165°W)? \_\_\_\_\_

# USING LATITUDE TO LOCATE PLACES IN THE WESTERN HEMISPHERE



1. Study the map to determine the latitude locations of the following places in the American continents. Circle the better choice.

Place	Approximate Latitude	
Point Barrow	69°N	71°N
Churchill	55°N	59°N
Ottawa	55°N	45°N
Portland	54°N	46°N
Washington, D.C.	39°N	41°N
San Francisco	38°N	33°N
New Orleans	30°S	30°N
Mexico City	19°N	19°S
Bogota	6°S	4°N
Quito	0°	10°S
Brasilia	24°S	16°S
Buenos Aires	25°S	36°S
Punta Arenas	53°S	60°S

2. How many degrees of latitude are there between:

New Orleans and Quito?  
 — 30 — 25

Portland and Buenos Aires?  
 — 82 — 78

Point Barrow and Punta Arenas?  
 — 112 — 124

3. Using only latitude as an indicator, which city in each pair of cities listed below would have the colder climate?

a. — New Orleans — Brasilia

b. — Bogota — Buenos Aires

c. — Point Barrow — Punta Arenas

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