Name _____ Date _____

Latitude, Longitude, the Equator and the Prime Meridian

Directions: The first three questions are about the lines on a globe. The rest use a table of six cities, so check it whenever a question names one.

1. Lines of latitude run east and west around the globe. What do they measure?

A. How far north or south of the equator a place is
B. How high a place is above sea level
C. What time of day it is in a place
D. How far east or west of the prime meridian a place is

2. Choose the words that finish these sentences about longitude.

Word bank
Arctic Circle • equator • prime meridian • South Pole

Lines of longitude run from the North Pole to the _____. They measure how far east or west a place is from the _____.

3. Match each line or point to its description.

Write the letter of the matching answer on each line.

1. _____ Equator
2. _____ Prime meridian
3. _____ North Pole
4. _____ South Pole

Choices for question 3

A. The point at 90° S
B. The 180° line of latitude
C. The 0° line of latitude
D. The line of longitude that runs through Greenwich, England
E. The line of latitude that runs through Greenwich, England
F. The point at 90° N

Six World Cities

Six world cities and where they are, with latitude and longitude rounded to the nearest whole degree

City	Country	Latitude	Longitude
Chicago	United States	42° N	88° W
Mexico City	Mexico	19° N	99° W

City	Country	Latitude	Longitude
Buenos Aires	Argentina	35° S	58° W
Cairo	Egypt	30° N	31° E
Tokyo	Japan	36° N	140° E
Sydney	Australia	34° S	151° E

4. Which city in the table is at 36° N, 140° E?

A. Sydney B. Cairo C. Chicago D. Tokyo

5. Which city in the table is the farthest from the equator?

A. Chicago B. Buenos Aires C. Sydney D. Tokyo

6. Which city is in both the Southern Hemisphere and the Eastern Hemisphere?

A. Sydney B. Buenos Aires C. Cairo D. Tokyo

7. Which of these cities is the farthest west of the prime meridian?

A. Cairo B. Buenos Aires C. Chicago D. Mexico City

8. Chicago is at 42° N, and Cairo is at 30° N. How many degrees of latitude farther north is Chicago?

A. 72 B. 42 C. 12 D. 30

9. Cairo is at 30° N, and Sydney is at 34° S. How many degrees of latitude apart are they?

A. 30 B. 4 C. 64 D. 34