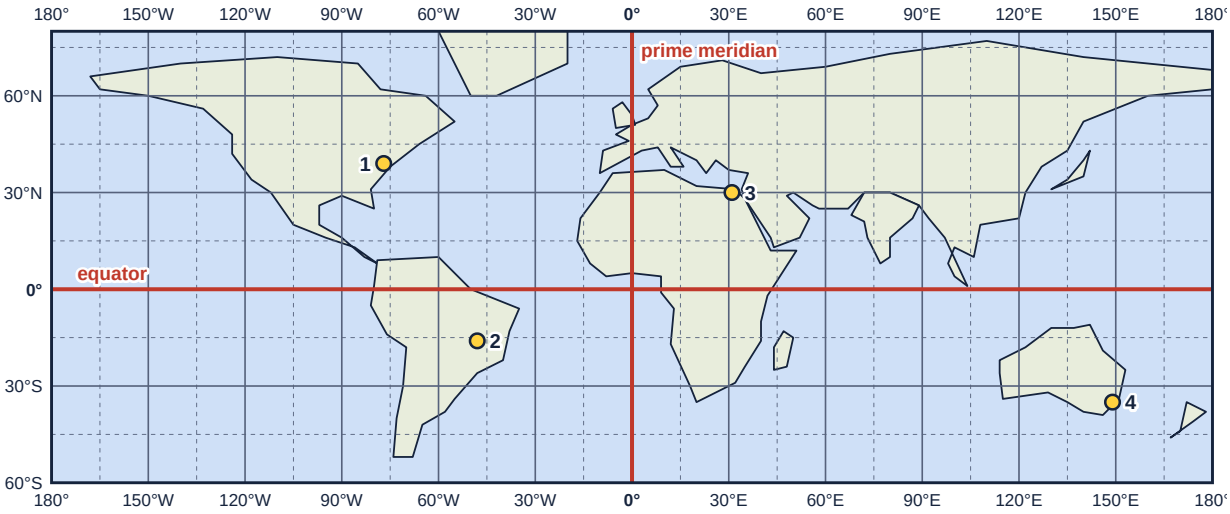
 Name _____ Date _____

Latitude and longitude: find world capitals

For students: lines of latitude run east and west and measure distance north or south of the equator. Lines of longitude run north and south and measure distance east or west of the prime meridian. Use the map to answer each part.



Part A: write the coordinates

Estimate each capital's latitude and longitude to the nearest 5 degrees.

	Capital	Latitude	Longitude
1	Washington, D.C. (United States)		
2	Brasília (Brazil)		
3	Cairo (Egypt)		
4	Canberra (Australia)		

Part B: plot the capitals

Draw a dot at each place on the map and write the capital's name next to it.

	Capital	Latitude	Longitude
5	Madrid (Spain)	**40° N**	**4° W**
6	Nairobi (Kenya)	**1° S**	**37° E**
7	Tokyo (Japan)	**36° N**	**140° E**
8	Lima (Peru)	**12° S**	**77° W**

Sources: National Geographic Society, Encyclopedic entry: latitude (education.nationalgeographic.org/resource/latitude); National Geographic Society, Encyclopedic entry: longitude (education.nationalgeographic.org/resource/longitude); National Geospatial-Intelligence Agency, GEOnet Names Server (geonames.nga.mil).

Name _____ Date _____

Latitude and longitude: find world capitals

Answer the questions

1. What is the latitude of the equator? _____

2. Is Cairo in the Eastern Hemisphere or the Western Hemisphere? How do you know?

_____

3. Which capital in Part A is in both the Southern Hemisphere and the Eastern Hemisphere?

_____

4. Which two capitals on this sheet are at almost the same longitude? _____

5. One degree of latitude is about how many kilometers (miles)? _____

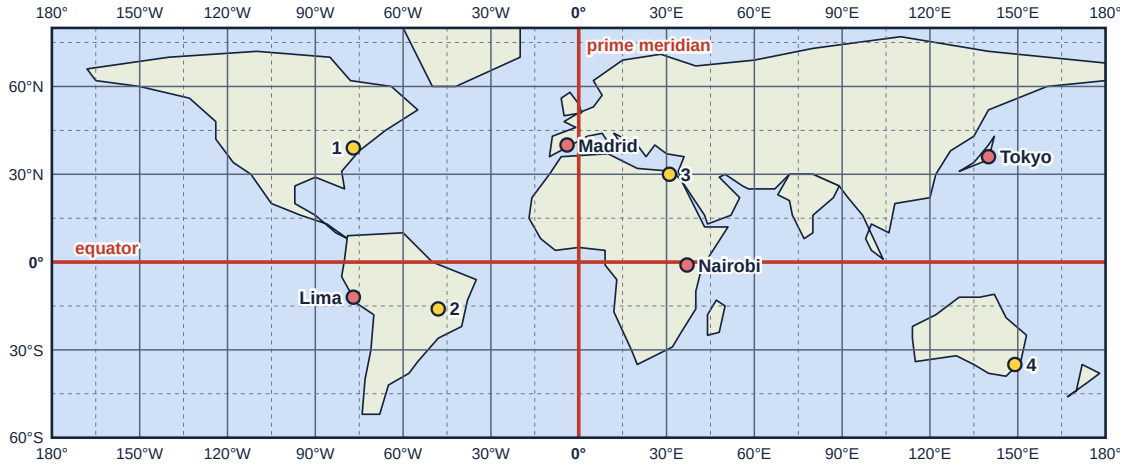
6. The North Pole is at what latitude? _____

7. Nairobi is very close to which line of latitude? _____

Coordinates are rounded to the nearest degree. Answers in Part A within 5 degrees are correct. Map coastlines are simplified. Sources: National Geographic Society, Encyclopedic entry: latitude (education.nationalgeographic.org/resource/latitude); National Geographic Society, Encyclopedic entry: longitude (education.nationalgeographic.org/resource/longitude); National Geospatial-Intelligence Agency, GEOnet Names Server (geonames.nga.mil).

 Name _____ Date _____

Answer key: latitude and longitude: find world capitals



Part A: write the coordinates

	Capital	Latitude	Longitude
1	Washington, D.C. (United States)	**39° N**	**77° W**
2	Brasília (Brazil)	**16° S**	**48° W**
3	Cairo (Egypt)	**30° N**	**31° E**
4	Canberra (Australia)	**35° S**	**149° E**

Answer the questions

1. What is the latitude of the equator? **0 degrees**

2. Is Cairo in the Eastern Hemisphere or the Western Hemisphere? How do you know?
Eastern. Its longitude is east of the prime meridian (31 degrees E).

3. Which capital in Part A is in both the Southern Hemisphere and the Eastern Hemisphere?
Canberra

4. Which two capitals on this sheet are at almost the same longitude?
Washington, D.C. and Lima (77 degrees W)

5. One degree of latitude is about how many kilometers (miles)? **about 111 km (69 miles)**

6. The North Pole is at what latitude? **90 degrees N**

7. Nairobi is very close to which line of latitude? **the equator**

Sources: National Geographic Society, Encyclopedic entry: latitude (education.nationalgeographic.org/resource/latitude); National Geographic Society, Encyclopedic entry: longitude (education.nationalgeographic.org/resource/longitude); National Geospatial-Intelligence Agency, GEOnet Names Server (geonames.nga.mil).