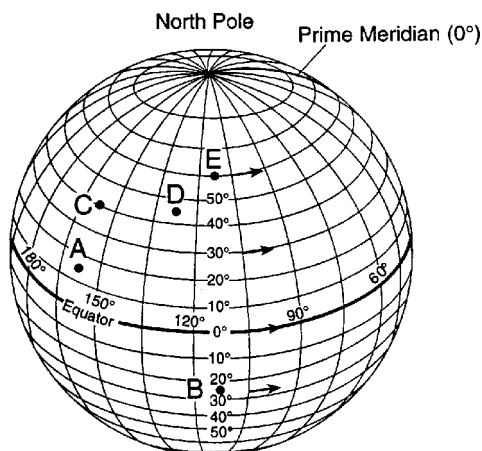


## Latitude longitude

Name: \_\_\_\_\_

Date: \_\_\_\_\_

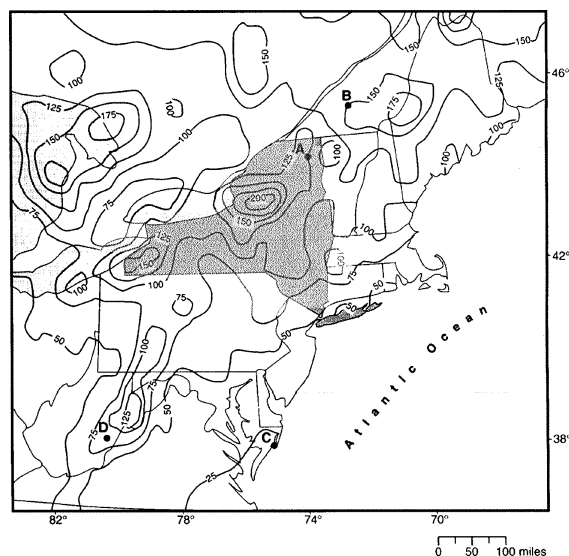
1. Base your answer(s) to the following question(s) on the *Earth Science Reference Tables*, the diagram below, and your knowledge of Earth science. The diagram represents latitude and longitude lines on Earth. Points A through E represent locations on Earth. Arrows represent direction of rotation.



What is the approximate latitude and longitude of location A?

- A. 160° N, 15° E      B. 160° S, 15° W  
C. 15° N, 160° E      D. 15° N, 160° W
2. Which reference line passes through both the geographic North Pole and the geographic South Pole?
- A. 0° latitude  
B. 0° longitude  
C. Tropic of Cancer  
D. Tropic of Capricorn

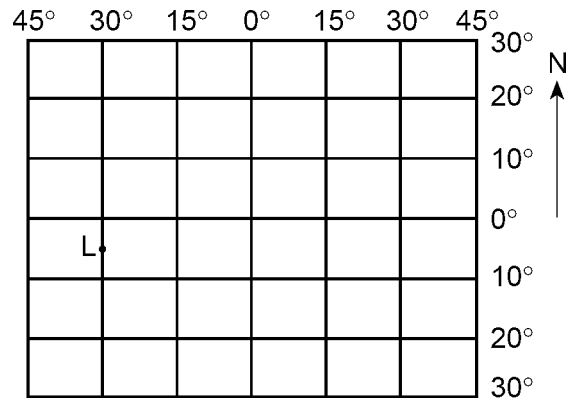
3. Base your answer(s) to the following question(s) on the *Earth Science Reference Tables*, the map below, and your knowledge of Earth science. The map shows a portion of the eastern United States with New York State shaded. The isolines on the map indicate the average yearly total snowfall, in inches, recorded over a 20-year period. Points A through D are location on Earth's surface. Latitude and longitude coordinates are shown along the border of the map.



The latitude and longitude coordinates indicate that this map covers an area that is located

- A. south of the Equator and west of the Prime Meridian  
B. south of the Equator and east of the Prime Meridian  
C. north of the Equator and west of the Prime Meridian  
D. north of the Equator and east of the Prime Meridian

4. The accompanying diagram represents part of Earth's latitude-longitude system.



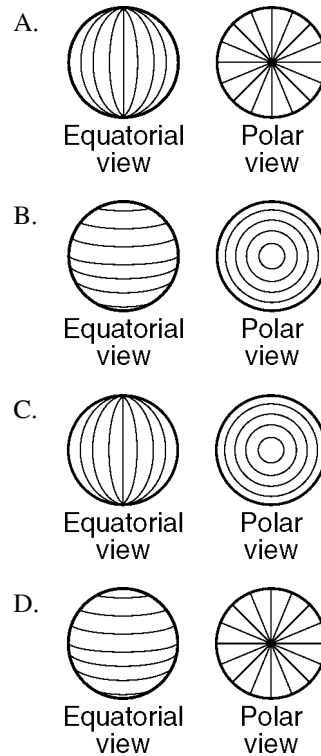
What is the latitude and longitude of point *L*?

- A.  $5^{\circ}$  E  $30^{\circ}$  N      B.  $5^{\circ}$  W  $30^{\circ}$  S  
C.  $5^{\circ}$  N  $30^{\circ}$  E      D.  $5^{\circ}$  S  $30^{\circ}$  W

5. What is the approximate location of the Canary Islands hot spot?

- A.  $32^{\circ}$  S  $18^{\circ}$  W      B.  $32^{\circ}$  S  $18^{\circ}$  E  
C.  $32^{\circ}$  N  $18^{\circ}$  W      D.  $32^{\circ}$  N  $18^{\circ}$  E

6. The lines on which set of views best represent Earth's latitude system?



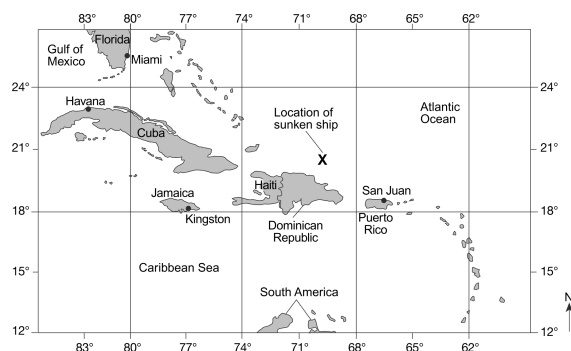
7. The approximate latitude of Utica, New York, is

- A.  $43^{\circ} 05'$  N      B.  $43^{\circ} 05'$  S  
C.  $75^{\circ} 15'$  E      D.  $75^{\circ} 15'$  W

8. Base your answer(s) to the following question(s) on the passage and map below. The map shows sections of the Atlantic Ocean, the Caribbean Sea, and the Gulf of Mexico.

### Shipwreck

In 1641, the crew of the ship *Concepcion* used the Sun and stars for navigation. The crew thought that the ship was just north of Puerto Rico, but ocean currents had carried them off course. The ship hit a coral reef and sank off the coast of the Dominican Republic. The X on the map marks the location of the sunken ship.



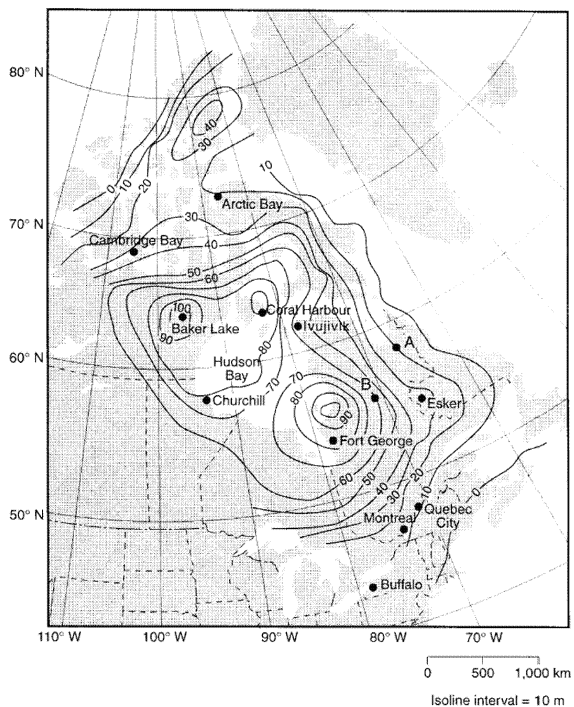
What is the approximate latitude and longitude of the sunken ship?

- A. 20.5° N 70° E      B. 20.5° N 70° W  
C. 20.5° S 70° E      D. 20.5° S 70° W

9. Which New York State city is located at 42°39' N 73°45' W?

- A. Buffalo      B. Albany  
C. Ithaca      D. Plattsburgh

10. Base your answer(s) to the following question(s) on the *Earth Science Reference Tables*, the map below, and your knowledge of Earth science. The isolines on the map show the increase in elevation that have occurred since the end of the ice age in this part of North America. A and B are two points on the isolines. Several towns within the area are indicated.



What is the approximate latitude and longitude of Fort George?

- A. 54° N 78° W      B. 66° N 82° W  
C. 78° N 54° W      D. 82° N 66° W

Latitude longitude 6/21/2018

- |         |   |
|---------|---|
| 1.      |   |
| Answer: | D |
| 2.      |   |
| Answer: | B |
| 3.      |   |
| Answer: | C |
| 4.      |   |
| Answer: | D |
| 5.      |   |
| Answer: | C |
| 6.      |   |
| Answer: | B |
| 7.      |   |
| Answer: | A |
| 8.      |   |
| Answer: | B |
| 9.      |   |
| Answer: | B |
| 10.     |   |
| Answer: | A |