Latitude and Longitude Worksheet



NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The diagram to the right shows an observer measuring the altitude of Polaris.

1.\_\_\_\_\_\_ What is the latitude of the observer?

(1) 20oN (2) 20oS (3) 70oN (4) 70oS

2.\_\_\_\_\_\_ What time is it in Greenwich, England (at 0o longitude) when it is noon in Massena, New York?

 (1) 7 a.m. (2) noon (3) 5 p.m. (4) 10 p.m.



3.\_\_\_\_\_\_ The diagram to the right shows an observer on Earth viewing the star *Polaris*. What is this observer’s latitude?

 (1) 38oN (3) 52oN

 (2) 38oS (4) 52oS



4. On the map to the right, there is a four-hour solar time difference between locations A and B. What is the difference in longitude between locations A and B?

 (1) 15o (3) 45o

 (2) 23.5o (4) 60o

5. The mineral chrysotile is found with other minerals in New York State mines located near

44o 30’ N, 74o W. In which New York State landscape region are those mines located?

6.\_\_\_\_\_\_ What is the approximate location of the Canary Islands hot spot?

 (1) 32oS 18oW (2) 32oS 18oE (3) 32oN 18oW (4) 32oN 18oE