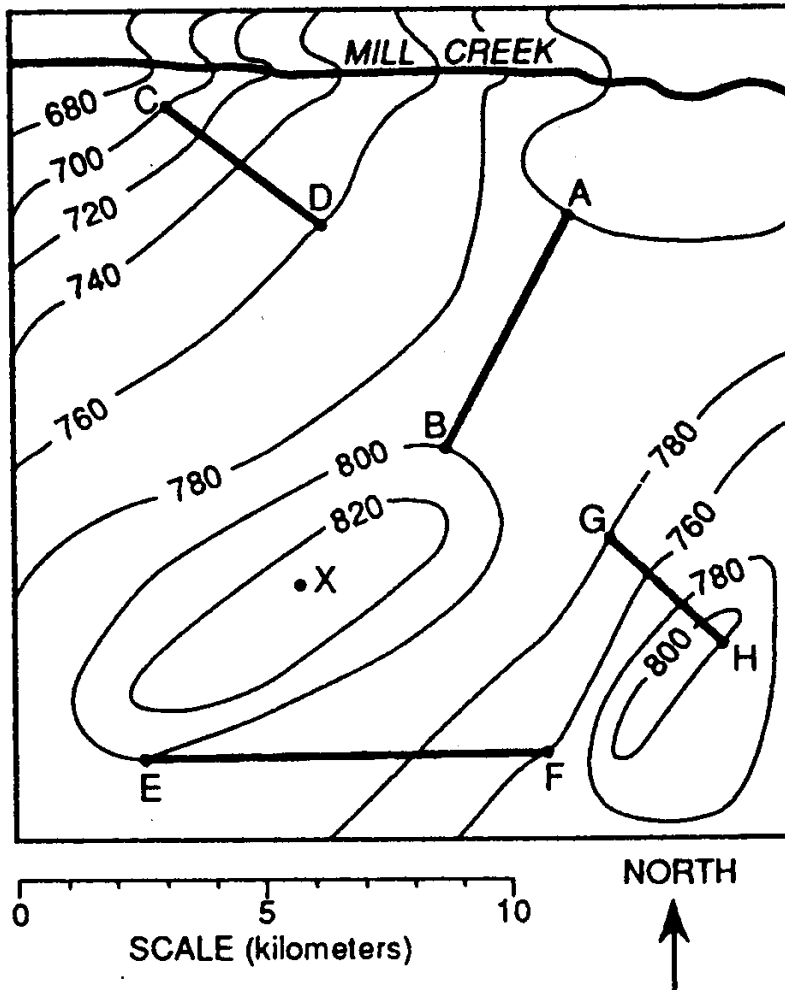


QUESTIONS

1. The coordinates of A are approximately _____, _____.
2. Give the locations with the same latitude: _____
3. Give the locations with the same longitude: _____
4. Therefore, A, B and E also have the same _____ and the same _____.
5. How many hours separate location D from the Prime Meridian?
6. If it's 9am at the Prime Meridian, what time is it at D? _____
7. The Earth rotates from _____ to _____. Draw an arrow above to show this.

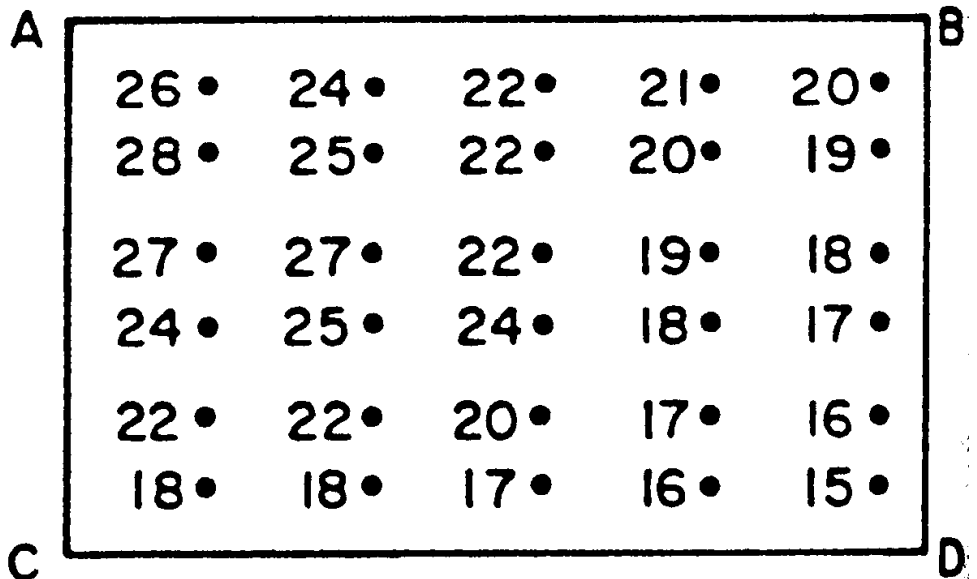


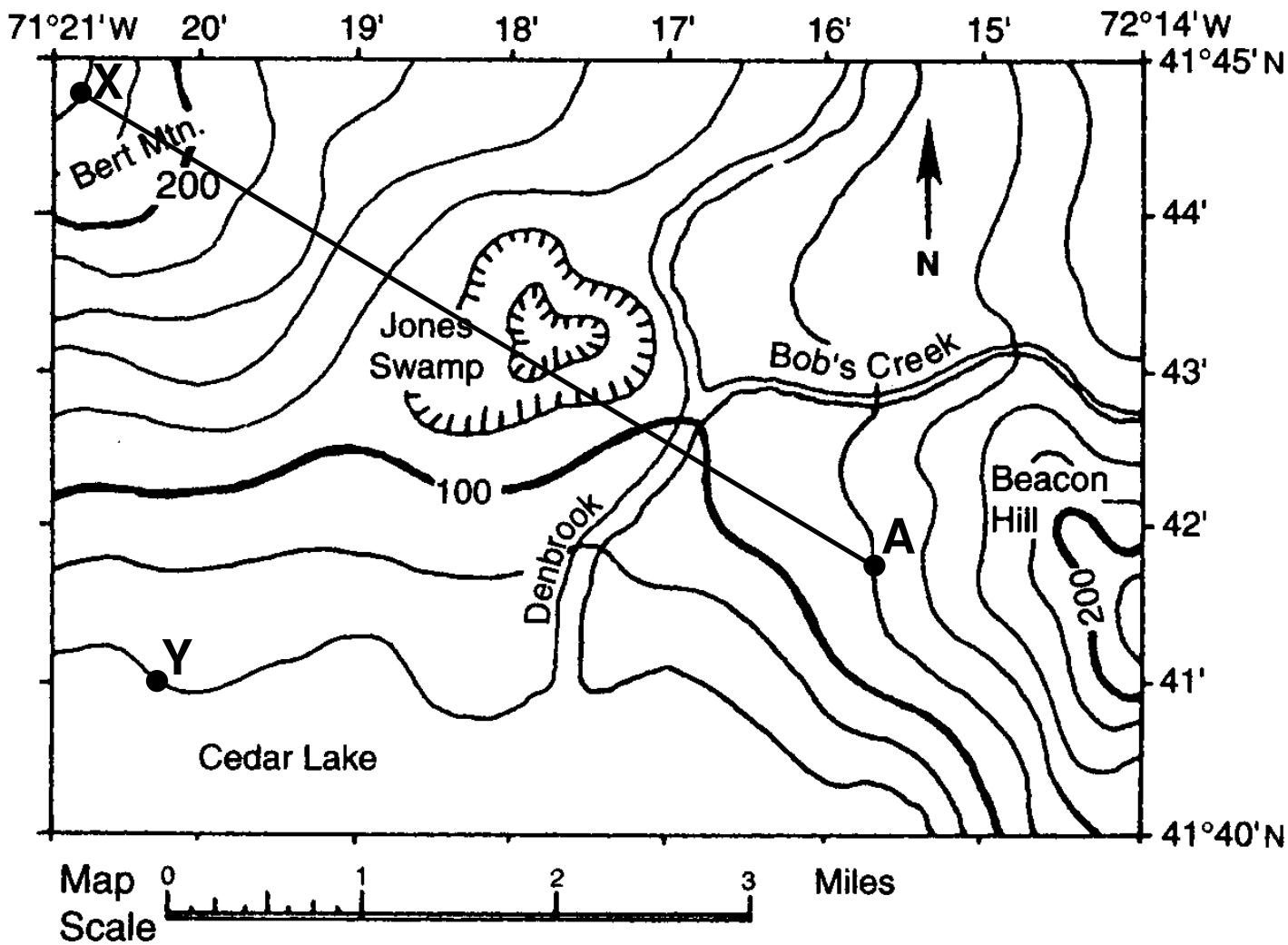
8. In the above map, the highest possible elevation of x (in meters) is _____.
9. When contour lines cross a valley, they form a V pointing _____.
10. The direction Mill Creek is flowing is toward the _____.
11. The gradient of C — D is _____.

12. Beginning with the 16° isoline, complete the temperature map using a 2° interval.

13. The heat source is located near which corner?

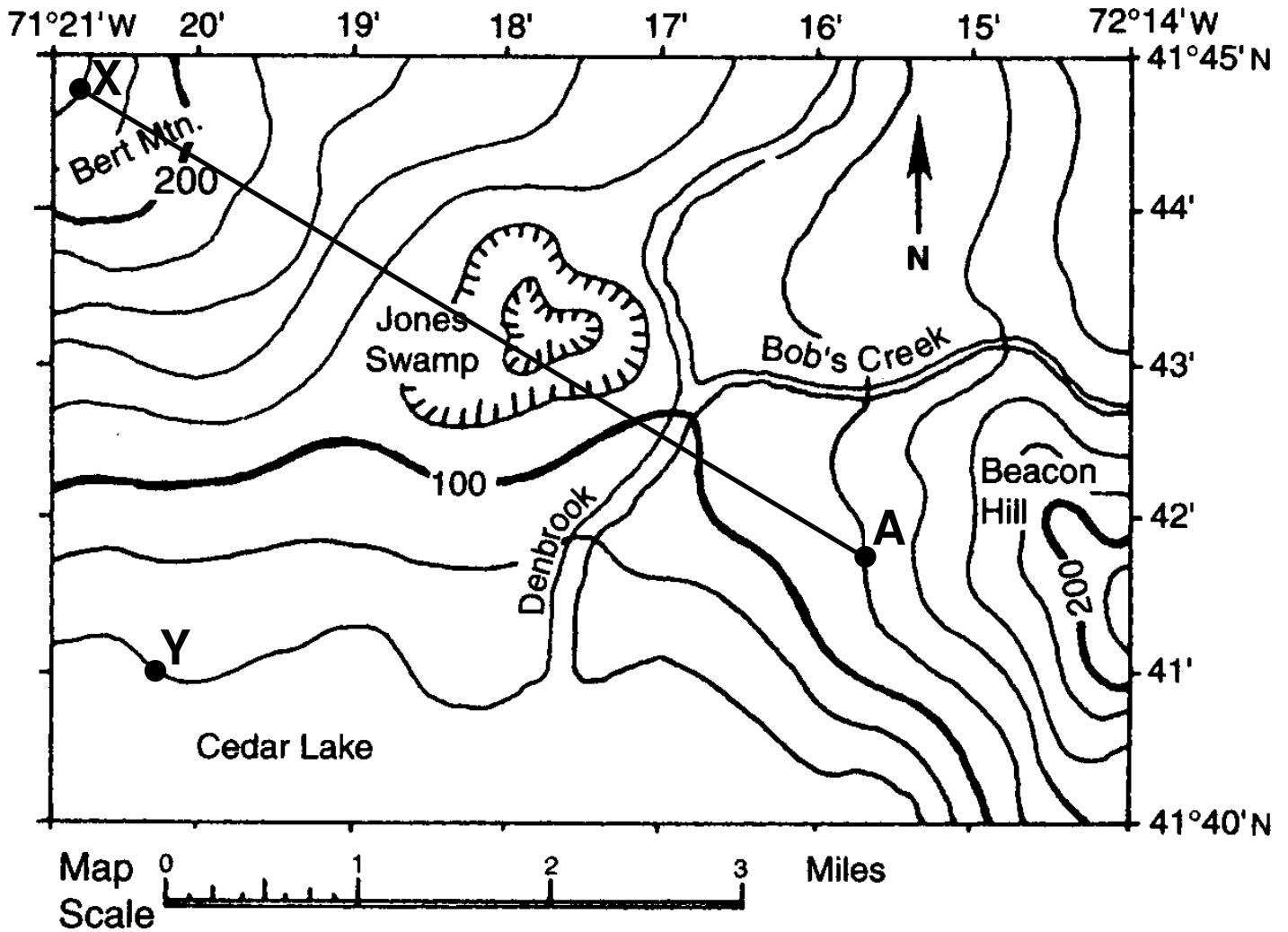
- (1) northwest
- (2) northeast
- (3) southwest
- (4) southeast





14. In this map, the contour interval is _____ (feet).
15. When contour lines cross a stream, they bend and point _____.
16. The topographic feature at "Jones Swamp" is a _____.
17. The elevation of the lowest line at Jones Swamp is _____.
18. Give exact coordinates of the point where Bob's Creek enters Den Brook:
_____.
19. Find the gradient from X to Y.

<p>a Write the equation for determining the gradient.</p>	<p>b Substitute data from the map into the equation. [2 points]</p>	<p>c Calculate the gradient and label it with the proper units. [2 points]</p>
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20. On the grid provided below, construct a profile of the land surface between point X and point A by following the directions below.

a Plot the elevations along line XA by marking with a dot *each* point where an isoline is crossed by line XA. [5]

b Connect the dots to complete the profile. [1]

