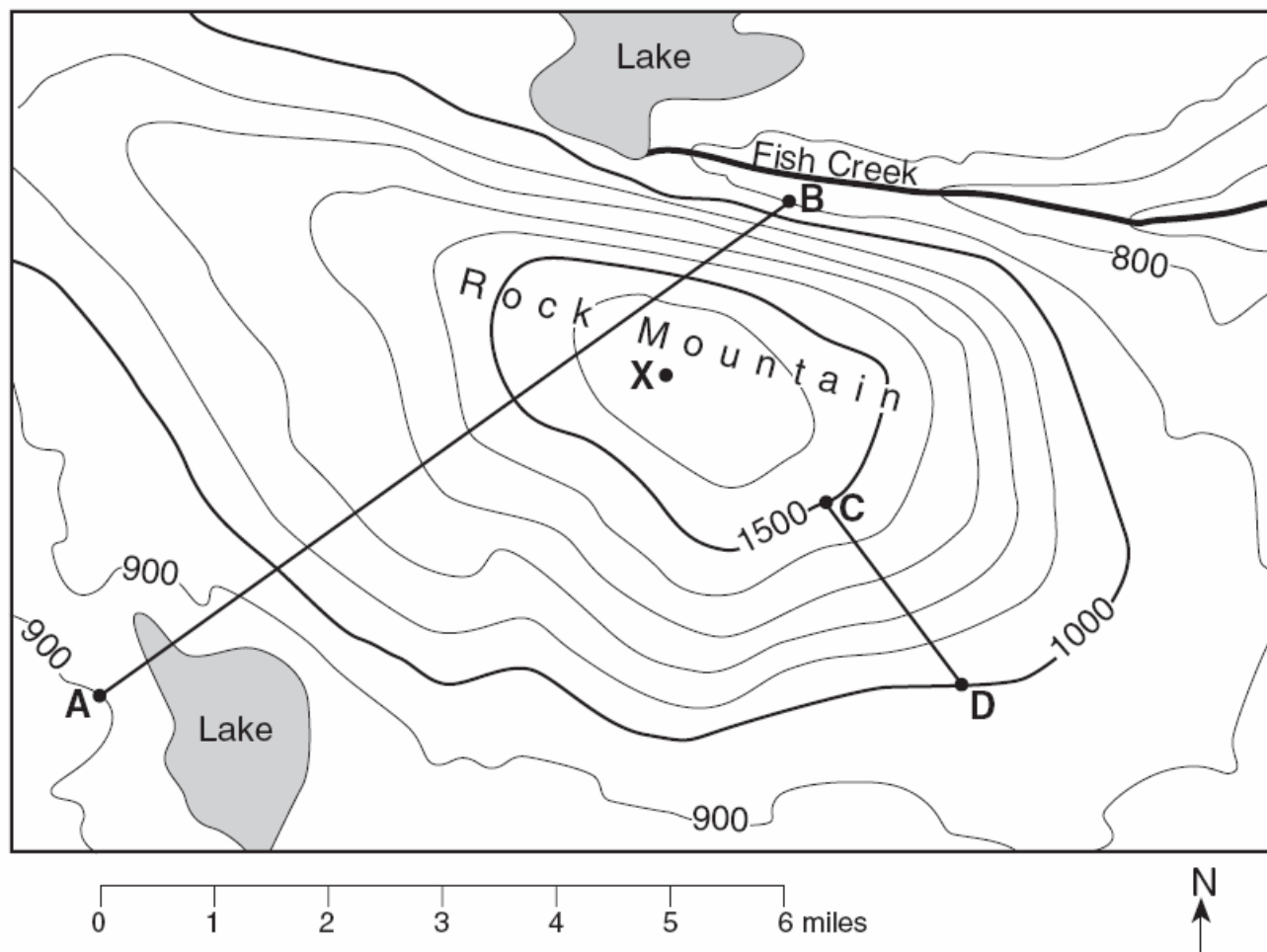


Topography Review

Use the following picture to answer questions 1-7. Elevations are in feet.



1. What is the contour interval of the map?
2. What is the highest possible elevation of point X?
3. How long is line AB?
4. Which direction does Fish Creek flow?
5. How can you determine that from the only using the contour lines?

6. What is the gradient of line CD?

Formula

Substitute

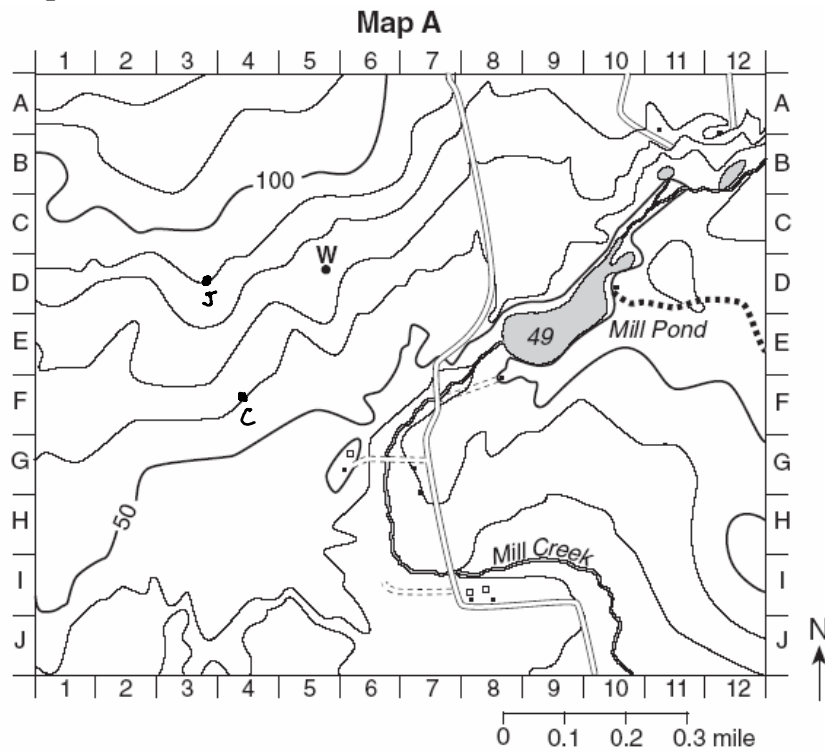
Solve

7. Draw the profile of line AB.

Profile of Line AB



Use the map below to answer questions 8-9.

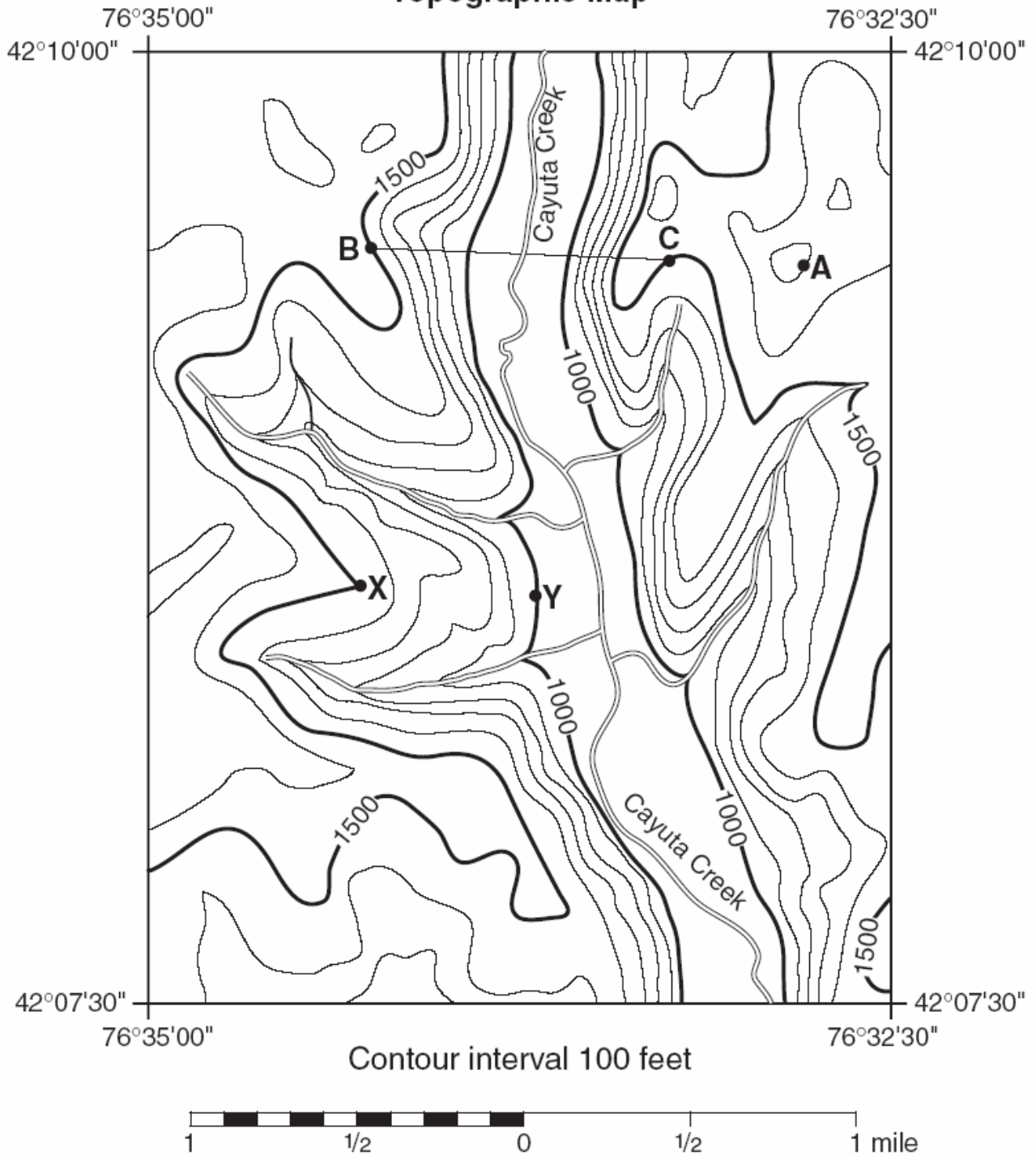


8. Which general direction does Mill Creek flow?

9. What is the gradient of line CJ? **Elevations are in feet.** (Show all work including formula)

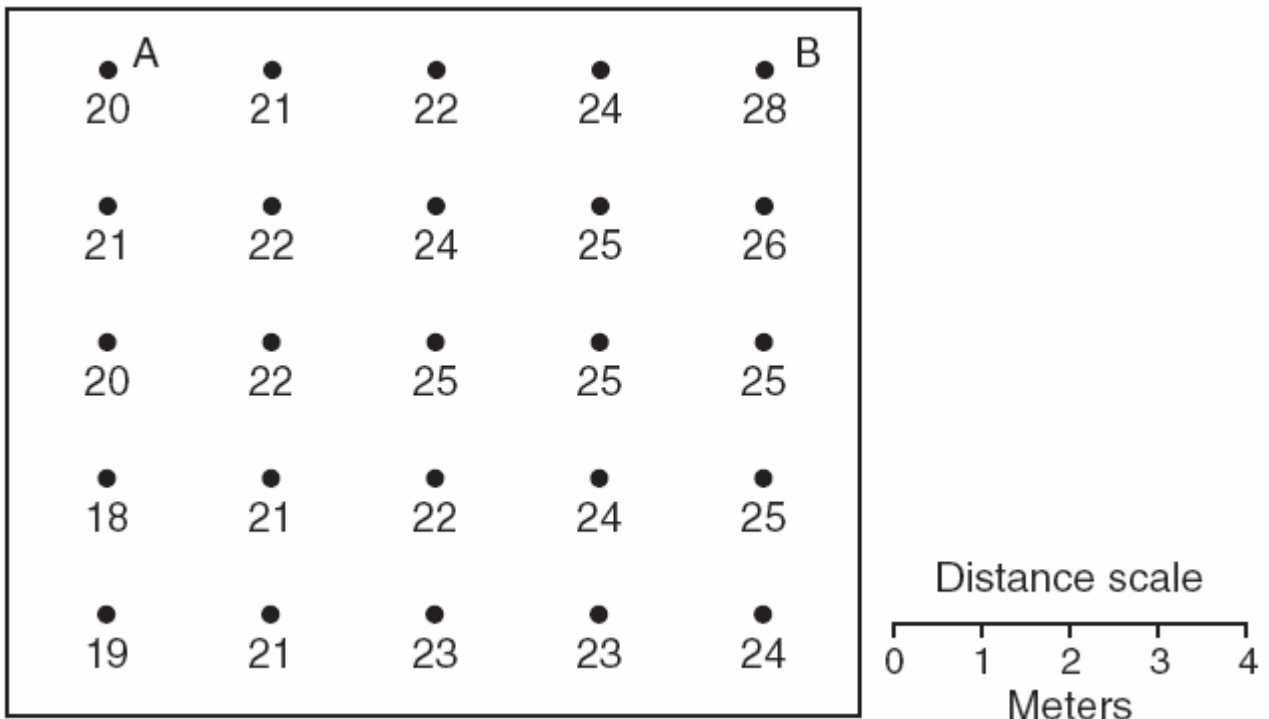
Use the following picture to answer questions 10-14.

Topographic Map



10. Which city in New York is this map from?
11. What landscape region is this map located in?
12. What is the gradient for point X to point Y?
13. Which direction does the Cayuta Creek flowing?
14. What is the elevation of point A?

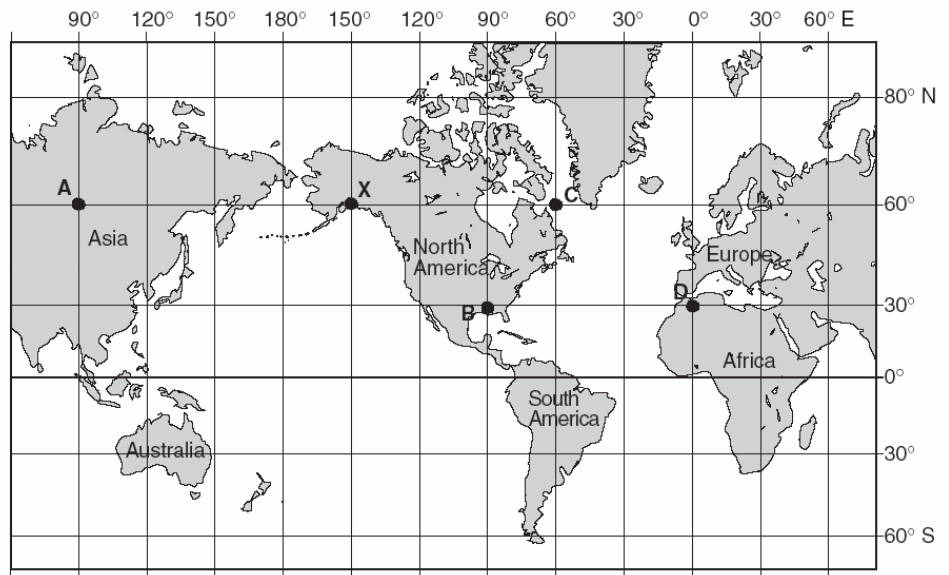
Use the following picture to answer questions 15-18.



15. What letter is the heat source? (**Temperatures are in Celsius**)
16. Connect the isolines for 20°C, 22°C, 24°C and 26°C. *Be sure the isolines extend to the edge of the field.*
17. What is the specific name of these isolines?
18. What is the gradient from point A to point B?

Use the following map to answer questions 19-22.

19. What is the latitude and longitude of point A?
20. Which location is in an area of crustal movement?
21. If it is 8:00 am at point B, what time is it at point D?
22. Which three locations have the same altitude of Polaris?

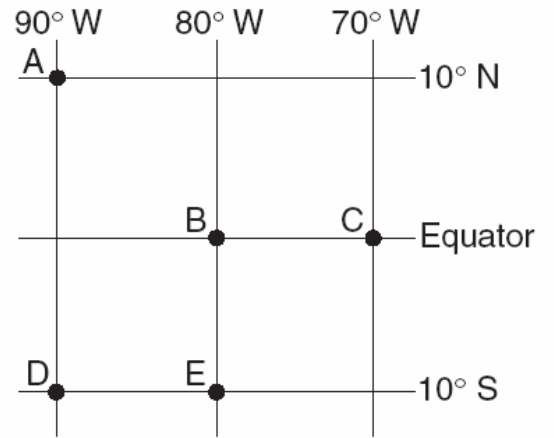


Use the following map to answer questions 23-25.

23. What do locations A and D have in common?

24. What is the altitude of Polaris at location A?

25. What is the altitude of Polaris at location E?



Use the following map to answer questions 26-28.

26. Label the area with the steepest temperature gradient.

27. Label the area with the smallest temperature gradient.

28. Draw a line from the ▲ to the ■ with the smallest change in temperature.

