

Name _____ Date _____ Period _____

TOPOGRAPHIC MAPS

1. What is the map scale? 1 mile = _____ cm
2. Name the highest mountain and give the elevation.
3. Which town has the highest elevation? What is the elevation?
4. Do you gain elevation, lose elevation, or not change elevation when traveling from Blue Lake to Dixon?
5. Do you gain elevation, lose elevation, or not change elevation when traveling from Blue Lake to Norton?
6. Do you gain elevation, lose elevation, or not change elevation when traveling from Blue Lake to Rockville?
7. Which mountain has the steepest slope? Steep means that the elevation increases or decreases very quickly.
8. What is the latitude and longitude of Norton?
9. What is the latitude and longitude of Bald Peak?
10. What is the latitude and longitude of White Mountain?
11. What is the latitude and longitude of the mine?
12. How far is Blue Lake from Norton by a straight line?
13. How far is Dixon from Norton by a straight line?
14. How far is Rockville from Norton by a straight line?
15. Which is closer to Norton by a straight line: Dixon or Rockville?
16. How long is the railroad tunnel? Use the edge of a sheet of paper to transfer the scale.
17. How far is Rockville from Norton by highway?
18. How much further is the distance between Rockville and Norton by highway versus a straight line?
19. What direction would you travel from Dixon to Rockville?
20. Is the trip from Dixon to Rockville uphill or downhill? How can you tell?

21. What is located at $43^{\circ}2'N$ $76^{\circ}13'W$?
22. What is the distance in miles from $43^{\circ}5'N$ $76^{\circ}5'W$ to $43^{\circ}5'N$ $76^{\circ}10'W$?
23. Why is the depression on Bear Mountain not filled with water?
24. Where is the flattest land located?
25. What is located at $43^{\circ}8'N$ $76^{\circ}7'W$?
26. What is located at $43^{\circ}9'N$ $76^{\circ}2'W$? What do those lines represent?
27. In which direction is Roaring Stream flowing? (from _____ to _____)
28. In which direction Rapid Brook flowing? (from _____ to _____)
29. Is Rapid Brook flowing uphill or downhill? How do you know?
30. Which areas would NOT be under water if the surface level of Blue Lake rose to 200 feet?
31. Which city is most likely largest: Norton, Dixon, or Rockville?
32. Which direction would you travel to get to New York City from the peak of Bear Mountain (approximately $43^{\circ}N$ $74^{\circ}W$)?
33. Interpolate and draw/label the following contour lines on the map:
 - a. 450 feet on White Mountain
 - b. 250 feet on White Mountain
 - c. 150 feet on Summit Hill
 - d. 450 feet on Bald Peak
 - e. 350 feet on Bear Mountain
34. Is it easier to climb Bear Mountain from the south side or the north side? Explain your answer.
35. How many locations on this map would survive a flood in which the water rose to 500 feet above sea level? Name the locations.
36. Which would you expect to have more traffic: the road from Dixon to Norton or the road from Rockville to Norton? Explain your answer.
37. If rain fell at Rockville, which stream, brook, or creek would the water eventually enter? Explain your answer.
38. Write driving directions from Dixon to Blue Lake. Include directions on how to turn (left/right) as well as compass directions (north/south/east/west).
39. Calculate the gradient between Dixon (150 ft) and the top of White Mountain.