

NAME _____
CLASS _____
DATE _____

BOONDOCKS, U.S.A.

1. Find the bench marks for each of the four (4) mountains on the map. Rank the mountains in order from smallest to tallest and give their relative benchmark elevation.

mountain	benchmark elevation
#4. lowest _____	_____
#3 _____	_____
#2 _____	_____
#1 highest _____	_____

2. What is the contour interval? _____

3. Note on the bottom of the map the words “true north” and the words “magnetic north”, what is the difference between these two phrases? _____

4. Give the coordinates for the town of Rockville. _____

5. Give the coordinates for the town of Dixon. _____

6. In which direction does the Bark River run? _____

6a. What is the general rule about rivers and contours? _____

7. In which direction does the Roaring Stream run? _____

8. Using the map scale, what is the distance from the town of Norton to the edge of Blue Lake by taking the road? _____

8a. How far would the same two locations be as the crow flies (in a straight line)? _____

9. Find the maximum and minimum elevation for the following points:

max min max min

Pt A _____ Pt C _____

Pt B _____ Pt D _____

10. Draw a profile from the fork of Roaring Stream to the top of Bear mountain.

Elev ‘

Contour lines marks

11. Calculate gradient for the above assuming Roaring Stream has an elevation of 125’.

Write the equation

Substitute numbers

Calculate and *add proper units*

12. Draw a 2nd profile from the top of Summit Hill to the top of Bald Peak.

Elev ‘

Contour lines marks

13. Calculate gradient from the town of Norton (assume elevation is 75’) to the top of Bald Peak.

Write the equation

Substitute numbers

Calculate and *add proper units*

14. How is a depression shown on the map?

