

Name _____

PRELAB EXERCISE FOR TOPOGRAPHIC MAPS

1. Read about **latitude-longitude** and **quadrangle Maps**.

What is a quadrangle? _____

2. Read about **Map Scales**

What is a ratio scale? _____

What is a fractional scale? _____

3. Read about **Declination and Compass Bearings**

What is declination? _____

What is a bearing? _____

4. Read about **Rules for Contour Lines**

What are contour lines? _____

What marks are used to show contour depressions? _____

5. Look at **Figure 9.13** on page 245

1. What is the contour interval of this map? _____

2. A heavy contour line is used every _____ feet.

3. What is the elevation of the 3 hills on the top? _____

4. What happens to contour lines on steep slopes? _____

5. What is the elevation of the hill on the right? _____

6. What direction do contour lines bend when they cross a stream? _____

7. Locate the ridge on the left.
What elevation is the flat part of the ridge? _____

8. How tall are the tallest sea cliffs along the shore? _____

9. If sea level were to rise 20 feet, approximately how many miles of the river in the middle would be lost? _____