

Attach the map you created to this page and answer the following questions:

1. If the scale of the map is 1cm. = 1 mile what is the longest North-South dimension of this island? _____
2. What is the greatest East-West distance of the volcanic island? _____
3. The lines on the map are called _____ because they connect places that have the same _____.
4. What is the highest contour line on the map? _____
5. What is the highest possible elevation of the rim of the crater? _____
6. How does the elevation of the depression contour line compare with the regular contour line it is next to?

7. How can you look at the map to determine where the island is the steepest? _____

8. According to your map what is the approximate total relief of this island? _____
9. Using the map determine the gradient of the north end of the volcano from the north rim of the crater to the north Shore of the island.

SHOW ALL WORK

Define the following terms:

- a. isoline: _____
- b. isotherm: _____
- c. isobar: _____
- d. contour line: _____
- e. relief: _____