Directions: Using the diagram below, answer the questions that follow.
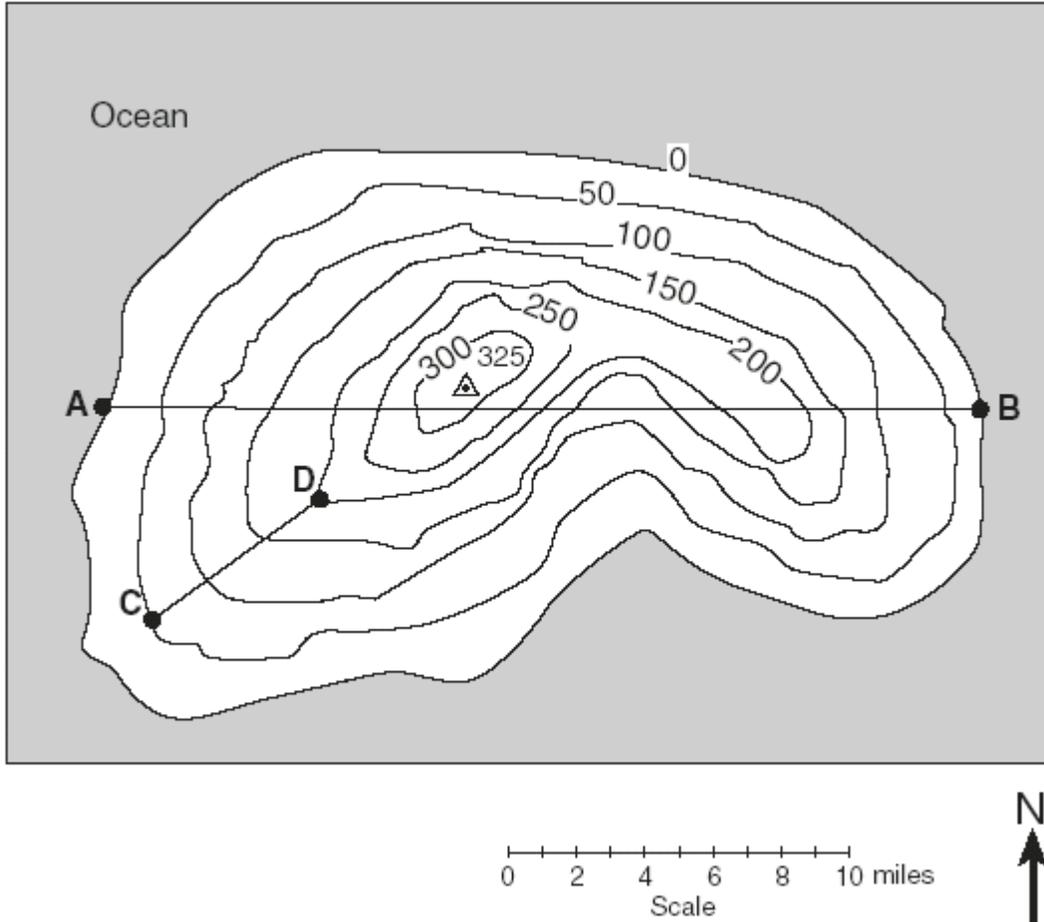
1. What is the contour interval of this map? _____

2. What is the highest elevation? _____ Lowest elevation? _____

3. Measure the *distance*, in CENTIMETERS, from point A to point B. _____

4. Convert this distance into MILES, using the scale provided:

Answer: _____

5. Repeat the procedure for 3 and 4 for point C to point D.

CM Distance: _____   Answer (MILES) : _____

6. Determine the elevation at Point A:_____Point B: _____ Difference: (A-B) _____

7. Calculate the elevation GRADIENT between points A and B:

REMEMBER: Gradient =   <u>Difference in Field Values</u>
Distance Between Points

8. Repeat the procedure for points C and D:

Elevation at C: _____   D: _____ Difference (C-D): _____   Gradient= _____

9. Draw a profile that describes the elevation across line A-B.

10. Draw a profile that describes the elevation across lineC-D.