

“Textbook” Problem

Data Collection Form



A ship travels from **point A** to **point B** in 24 hours as shown on the attached map. Using the map, answer the questions below.

1. Direction of Ship Heading (N, NE, S, SW, etc.): _____
2. To Which Point on Shore is the Ship Headed? _____
3. Approximate Distance Traveled (miles): _____
Use the ruler and the scale in the upper right-hand corner of the map to estimate the approximate Distance between points A and B.
4. Approximate Distance to Shore: _____
Use the ruler and the scale in the upper right-hand corner of the map to estimate the approximate Distance from Point B to the Point where the ship is headed.
5. Approximate Time to Shore: _____
Use the ruler and the scale in the upper right-hand corner of the map to estimate the approximate Time to Shore, assuming that the speed remains constant.

OPTIONAL QUESTIONS:

- What is the Speed of Ship (mph)?
- Use the Speed of the Ship to calculate the Time to Shore and compare your answer to the answer in #5.

Helpful Hints

- Note the scale in the upper right-hand corner of the map.
- To estimate the approximate Distance and time to Shore, use the ruler.
- *Optional:* Speed = Distance / Time



ATLANTIC HURRICANE TRACKING CHART

0 500 mi
0 500 km

MERCATOR PROJECTION
The scale is accurate along the equator.
Elsewhere on the map, scale increases toward poles.

