“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