“Unique & Compelling” Problem

Ship ID Code: ______________________

<table>
<thead>
<tr>
<th>Current Position</th>
<th>Previous Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latitude:</td>
<td>Latitude:</td>
</tr>
<tr>
<td>Longitude:</td>
<td>Longitude:</td>
</tr>
<tr>
<td>Time:</td>
<td>Time:</td>
</tr>
</tbody>
</table>

1. Direction of Ship Heading (N, NE, S, SW, etc.): ______________________

2. Port-of-Call Where Ship is Headed: ______________________

3. Approximate Distance Traveled: ______________________
   *Use the ruler and the scale in the upper right-hand corner of the map to estimate the distance between previous and current positions.*

4. Time of Travel: ______________________
   *Elapsed time between previous and current positions*

5. Average Speed of Ship: ______________________
   *Use average speed = distance / time*

6. Approximate Distance to Port-of-Call: ______________________
   *Use the ruler and the scale in the upper right-hand corner of the map to estimate the distance from the current position to the Port-of-Call.*

7. Time to Reach Port-of-Call: ______________________
   *Assume that the speed remains constant.*

8. Optional: How might the weather affect the ship’s arrival time?