



## **Handout #4: Faster than a speeding slug**

### **Lesson #4 Web Site Instructions:**

#### Part One: Determine distance traveled

1. Take out Handout #4 (click on the link above to print out a copy of the handout)
2. Follow the link at the top of the lesson to the "Distance Calculator".
3. On the "**To**" line enter in the latitude and longitude coordinates for the **current position** of the ship.
4. On the "**From**" line enter in the latitude and longitude coordinates for the **previous position** of the ship.
5. Make sure that you follow the instructions on how to enter in the coordinates given to you by your teacher.
6. Click on the button at the bottom of the Distance Calculator that reads "Look it up!"
7. Record the distance that your ship has travel on Handout #4.

#### Part Two: Determine travel time

1. Take out Handout #4 (click on the link above to print out a copy of the handout)
2. Look back at Handout #2 and note the time and date for the current position and the previous position.
3. The difference between these two times is the time it took the ship to travel from its previous position to its current position. This is the travel time.
4. Record the travel time on Handout #4.

### **Lesson #4 Data Collection Form**

Ship ID Code: \_\_\_\_\_

Distance Traveled: \_\_\_\_\_

Travel Time: \_\_\_\_\_

Speed: \_\_\_\_\_

(show your calculations on a separate sheet of paper)

