

Name \_\_\_\_\_

Date \_\_\_\_\_

## LAB 2F: The Titanic Shuffle *Response Sheet*

Directions: Record your responses to the lab questions in the spaces provided.

### Previously ...

#### The Titanic

- Based on the plot, do you believe that passengers who paid a higher fare on the Titanic were more likely to survive? Explain why and describe how certain you are of being correct.

#### The search begins!

- What was the *typical* fare paid by survivors? Non-survivors? How much more did the typical survivor pay?

#### Do the shuffle!

#### Put your simulations to use

- By using your shuffled data, answer the research question we posed at the beginning of the lab.
- Write up your answer as a statistical analysis. Create a plot and explain how the plot supports your conclusion. Be sure to also explain why shuffling your data is important.

