Name_____   Date_____

LAB 4B: What's the score?
Response Sheet

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

Previously

Predictions using a line

Make your predictions

Sums of differences

- **What do the residuals measure?**

- **Describe and interpret, in words, what the output of your accuracy summary means.**

- **Write down why adding positive and negative errors together is problematic for assessing prediction accuracy.**

Mean squared error
- **Compare your MSE with a neighbor. Whose line was more accurate and why?**

Regression lines

Plotting regression lines

Predicting with regression lines

The magic of lm()

- **Compare the MSE of the linear model you fitted using `add_line()` to the MSE of the linear model obtained with `lm()`. Which linear model performed better?**

- **Ask your neighbors if any of their lines beat the `lm` line in terms of the MSE. Were any of them successful?**