Name_____ Date_____

LAB 4A: If the line fits…
Response Sheet

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

How to make predictions

Predicting heights

- **If you had to predict the height of someone in the Los Angeles area, what single height would you choose and why?**

- **Would you describe this as a *good* guess? What might you try and improve your predictions?**

Predicting heights knowing arm spans

- **What height would you predict if you knew a person had an armspan around 62 inches?**

- **What height would you predict if you knew a person had an armspan around 65 inches?**

- **Does knowing someone's armspan help you predict their height. Why or why not?**

Fitting lines

Predicting with lines

- **Draw a line that you think is a good *fit* and write down its equation. Using this equation:**

- **Predict how tall a person with a 62-inch armspan and a person with a 65-inch armspan would be.**

- **How tall would you predict a person who is 63.5-inch armspan to be?**

- **Compare your answers with a neighbor. Did both of you come up with the same equation for a line? If not, can you tell which line fits the data best?**