Name: _____   Date: _____

Lab 4A: If the Lines Fits…
Response Sheet

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

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 to 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?

Lab 4A: If the Lines Fits…
Response Sheet

Predicting with lines

- 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 with a 63.5 inch `armspan` to be?

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

Predicting with regression lines

- Measure your `armspan` and use the regression line to predict your height. How close was the prediction?