Lab 4A - If the line fits ...

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

If you had to predict the height of someone in the LA 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?

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 helps you predict their height. Why or why not?

Predict how tall a person with a 62 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?

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