**Warm Up…**

* **Please take out your notes for a spot check.**
* **With your partner you are sitting with, measure your bicep size at the biggest point using the tape measure.**
* **Write your values on your paper as well as creating a class list of points by the homework board.**
* **As students are writing down their points on the board, create a scatter plot based on our data.**

Ex 1 Is bigger better?

**HYPOTHESIS**:Do you believe bicep size plays a correlation with distance thrown for a football? Why or why not?



Bicep Size:\_\_\_\_\_\_\_\_\_\_\_**(inches)** Distance Thrown\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**(yards)**

Create a Scatterplot of our data. First, find the minimum x and y values to know our bounds. Then plot your data point on the board. Make it clear as to your bicep size and distance thrown.

1. Is there a correlation? If so, what is it?
2. Write an equation for the line of best fit.
3. Predict the distance thrown if a person has an 8 inch bicep.
4. Predict the bicep size if the ball is thrown 130 yards
5. What could have impacted our data?