

3) Given the data set of **all (men and women)** heights and weights, create a scatter plot. Plot this with your calculator. Does there appear to be a relationship between height and weight? Explain your answer. Put height on the horizontal axis and weight on the vertical axis.

a) Sketch of Plot from Calculator:

b) Calculate the correlation coefficient

$r =$

c) Determine the equation of best fit.

$y =$

d) Does there appear to be a relationship between height and weight?