Scatter plot, regression line & predicting the value of a variable (requirements for the Ch 10 test)

Start

Sketch a scatter plot of the data. Calculate the value of $r$

Based on $r$, is there a significant linear correlation?

Yes

Use the regression equation to make a prediction by substituting the given value for $x$ & solving for $y$.

No

Given any value for the $x$ variable, the best predicted value of the $y$ variable is its sample mean.

Use the regression equation to find 2 points and plot the regression line on the scatter diagram.