Correlation and Regression

Word spelled correct Before and After

Name	X	<u>Y</u>
Bill	17	20
nhot	10	13
Sam	12	15
Jim	15	18
Fred	6	9
James	14	?

Bi variate distribution- the scores on two variables are paired

What score would put for James?

Lost Julius what would you put down?

A) Correlation- degree of relationship- perfect predictability?

Correlation Coefficient, Person's correlation,	"r"	Χ	Υ	$Z_x Z_y$
		10	20	
-Negative Correlation		8	16	
		12	24	
-Positive Correlation		2	4	
		11	22	
-Zero Correlation		6	12	

The Persons correlation (r) coefficient ranges between -1.0 & 1.00. It tells you strength and directions