(1) Consider the pair of data sets x and y shown in the table. Given the correlation coefficient r is

 $r = \frac{\sum_{i=1}^{n} (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\sum_{i=1}^{n} (x_i - \bar{x})^2 \sum_{i=1}^{n} (y_i - \bar{y})^2}}$ calculate r for this data set. Comment on given by the expression,

vour result.

your result.	
X	y
1.97	-36.49
4.32	-63.37
4.60	-65.06
4.91	-66.61
5.88	-68.97
6.30	-68.83
6.47	-68.56
6.92	-67.32
8.32	-58.19
9.00	-51.06
9.79	-40.24

