AP Statistics: Anscombe's Quartet, Section 3.2 **Name:_____**

For the purposes of this activity, use $\hat{y} = ax + b$ as the equation of the LSRL.

Data Set 1	
x	y
10	8.04
8	6.95
13	7.58
9	8.81
11	8.33
14	9.96
6	7.24
4	4.26
12	10.84
7	4.82
5	5.68

a =	
b =	
r =	
r-squared=	

Data Set 2	
x	y
10	9.14
8	8.14
13	8.74
9	8.77
11	9.26
14	8.10
6	6.13
4	3.10
12	9.13
7	7.26
5	4.74

a =	
b =	
r =	
r-squared=	

Data Set 3	
x	y
10	7.46
8	6.77
13	12.74
9	7.11
11	7.81
14	8.84
6	6.08
4	5.39
12	8.15
7	6.42
5	5.73

a =	
b =	
r =	
r-squared=	

Data Set 4	
x	y
8	6.58
8	5.76
8	7.71
8	8.84
8	8.47
8	7.04
8	5.25
19	12.50
8	5.56
8	7.91
8	6.89

a =	
b =	
r =	
r-squared=	

Write a paragraph about your observations below. What did you notice about the relationship between the four data sets? Why do you think this is true?