Name	
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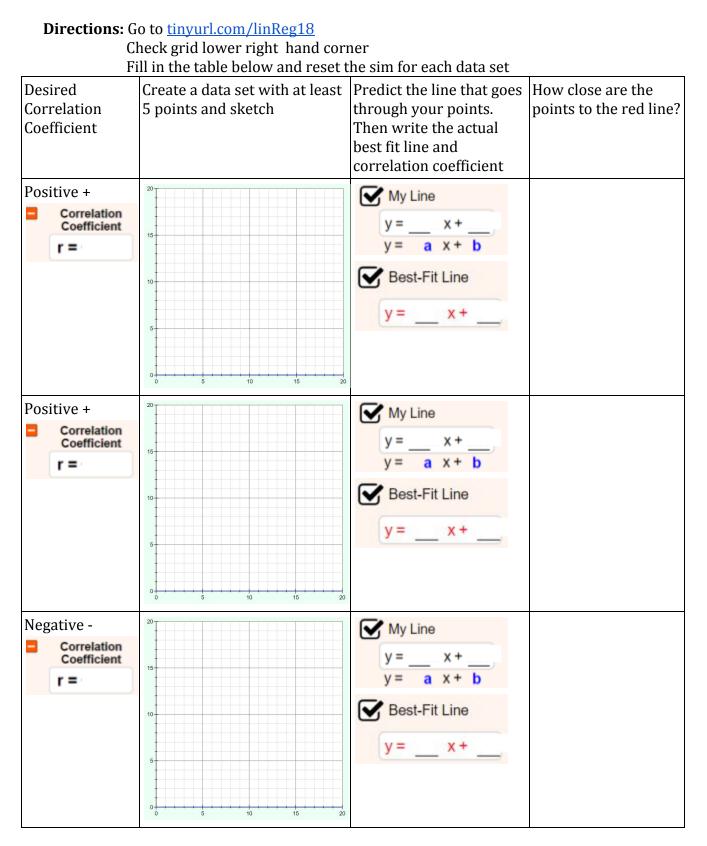
Linear Regression and Correlation Coefficient

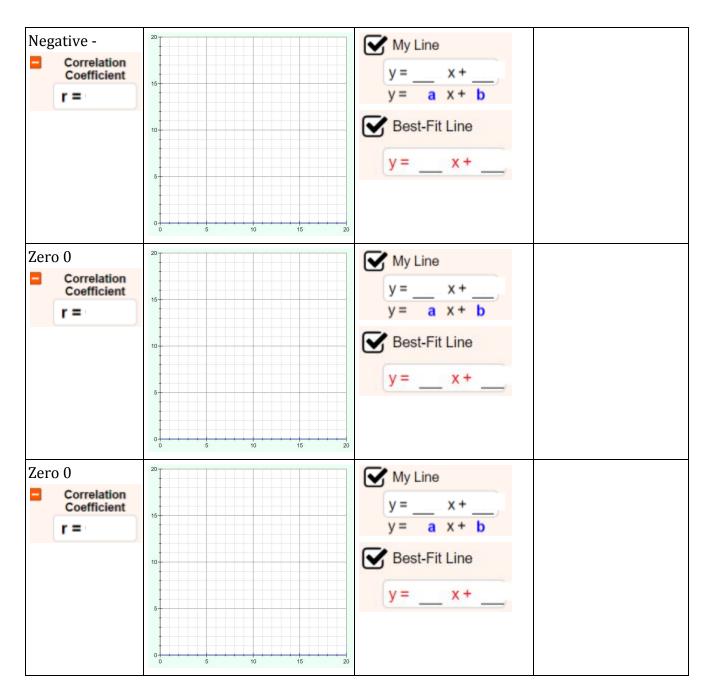
Directions: With your partner go to <u>tinyurl.com/linReg18</u> Write at least 5 things you discover about using this sim.

1.	
2.	
3.	
4.	
5.	



Linear Regression and Correlation Coefficient

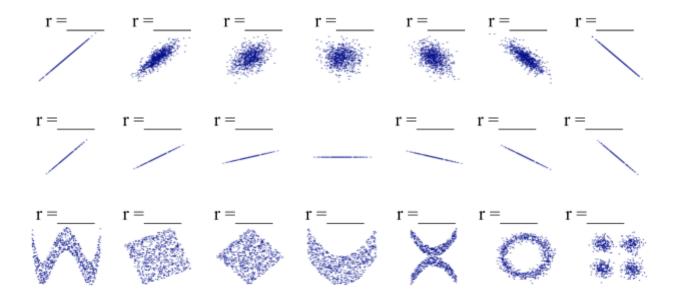




Compare your answers with another group and discuss these questions:

- 1. What do all of the positive correlation coefficients have in common?
- 2. What do all of the negative correlation coefficients have in common?
- 3. What does r=0 mean?
- 4. What does r=1 mean?
- 5. What does r=-1 mean?

6. Can you predict the correlation coefficient of these data sets?



<u>Summary:</u>

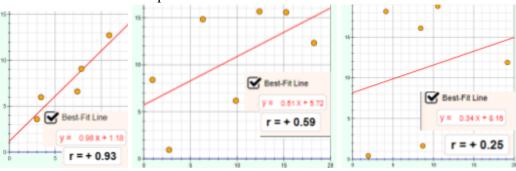
A line of best fit is _____

Correlation coefficient tells us _____

<i>r</i> = 1	<i>r</i> = -1	
.7 <u><</u> <i>r</i> < 1	-1 < <i>r</i> <7	
.3 <u>≤ r ≤</u> .7	7 <u>≤ r ≤</u> 3	
0 < r <u><</u> .3	3 < <i>r</i> < 0	
<i>r</i> = 0		

Follow Up:

1. What do all of the positive correlation coefficients have in common?



2. What do all of the negative correlation coefficients have in common?

