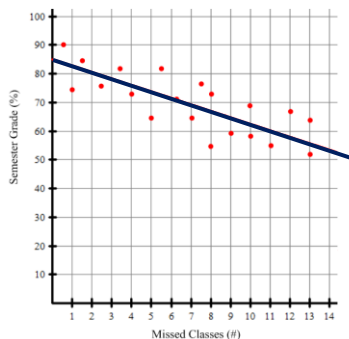


5.3 Correlation

ALGEBRA

Write your questions here!

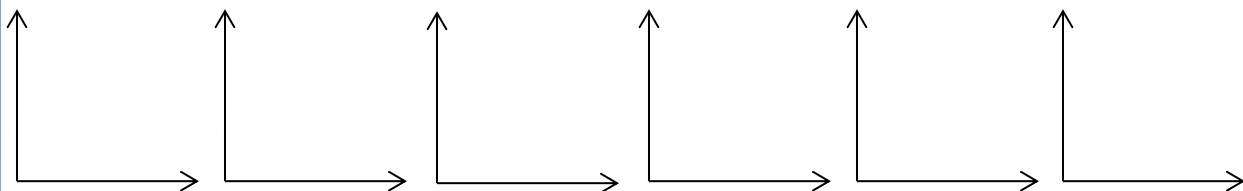
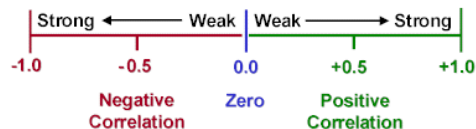
The scatterplot shows the number of missed classes for a college class and the corresponding semester grade. The equation of the best fit line is $y = -\frac{9}{4}x + 85$ and is graphed below.



Describe the slope of the line.

Describe the y-intercept.

Correlation Coefficient (*r*-value)



LINEAR REGRESSION

Age and time spent gaming.

Age (years)	Time (minute)
10	85
15	75
20	80
22	78
26	65
30	60
35	48
40	38
44	30
43	50
36	60

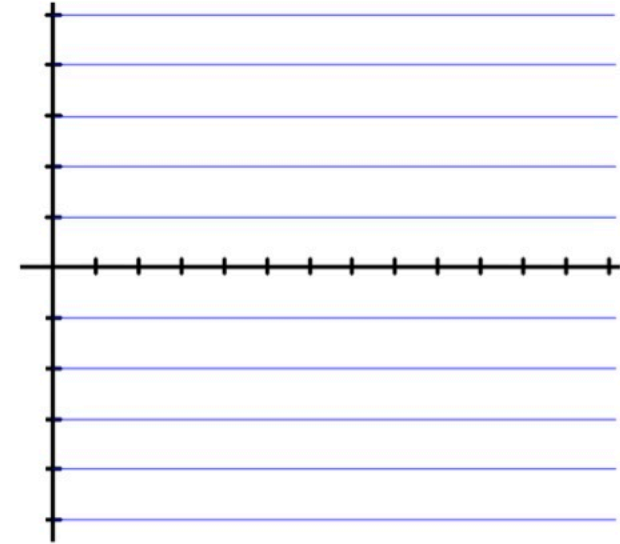


Residuals

Time (years)	Subscribers (in millions)	Predicted	Residual
0	1.6		
1	2.7		
2	4.4		
3	6.4		
4	8.9		
5	13.1		
6	19.3		
7	28.2		
8	38.2		
9	48.7		
10	60.8		
11	76.3		
12	97		

Time in years since 2005

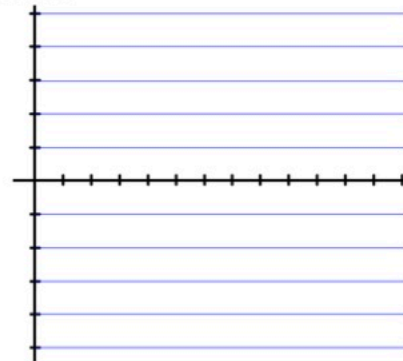
Residual



Residual Plots

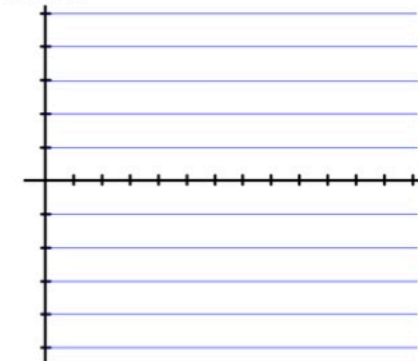
GOOD

Residual



BAD

Residual



SUMMARY:

Now,
summarize
your notes
here!

