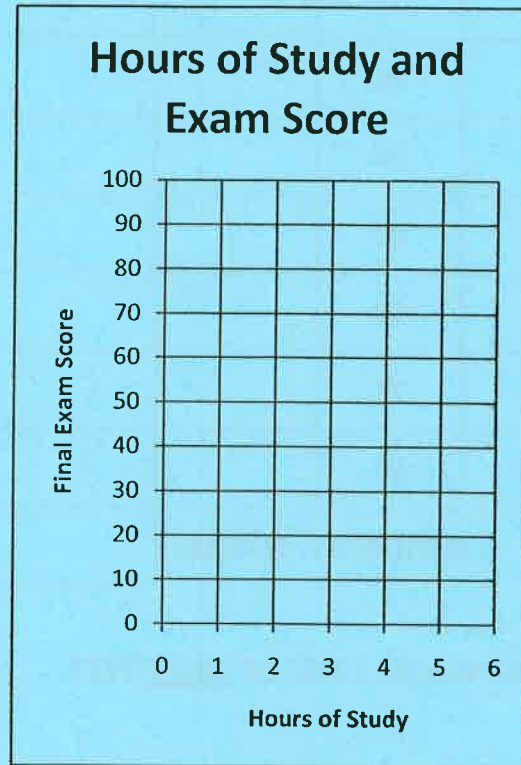


Name _____ Date _____ Period _____ Score _____

1. The table below gives the number of hours (h) spent studying for a science exam and the final exam grade, G(h).

Hours (h)	Grade G(h)
2	77
5	92
1	70
0	63
4	90
2	75
3	84



2. a) Determine if there is a positive, negative, or no correlation. _____
 b) If there is a correlation, determine if it is strong or weak. _____
3. a) Using the minimum and maximum values, state the domain: _____
 b) Using the minimum and maximum values, state the range: _____
4. Based on your opinion, graph a "line of best fit". (See graph above)
5. Using 2 points from the line you just graphed, write the function for the line.
 Function: _____
6. Explain what the slope of the line represents in the context of the data.

7. Using your function from #5, calculate the "predicted" grades for each of the given hours:
(Remember: you can enter your equation in the calculator and use the table to get these values)

Hours (h)	Grade G(h)	Predicted Grade	Residual (Actual - Predicted)
2	77		
5	92		
1	70		
0	63		
4	90		
2	75		
3	84		
RESIDUAL TOTAL:			

Is your line the **LINE OF BEST FIT**?