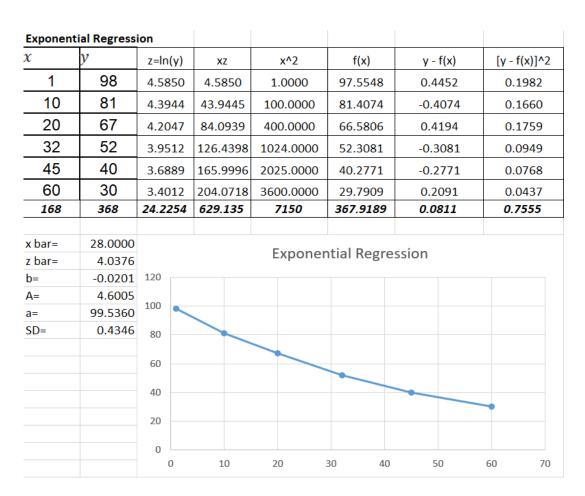
TASK4

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х	Υ		
1	98		
10	81		
20	67		
32	52		
45	40		
60	30		

- Plot the graph of x and y using any software, then put the graph in your paper.
- b. Is it a straight line trend or an exponential trend? Explain.
- c. Use appropriate regression to find the curve best fit (choose: line regression or exponential regression)
- d. Find the standard deviation of error.



- b). From the graph above, we can see that the data follows a roughly curved pattern that does not fit a straight line well. Therefore, it is an exponential regression to model the data.
 - c). Based on the data above, the exponential regression would provide a better fit than a line regression

d).
$$S = \sqrt{(98-97.5548)^2 + (81-81.4074)^2 + (67-66.5806)^2 + (52-52.3081)^2 + (40-40.2771)^2 + (30-29.7709)^2}$$