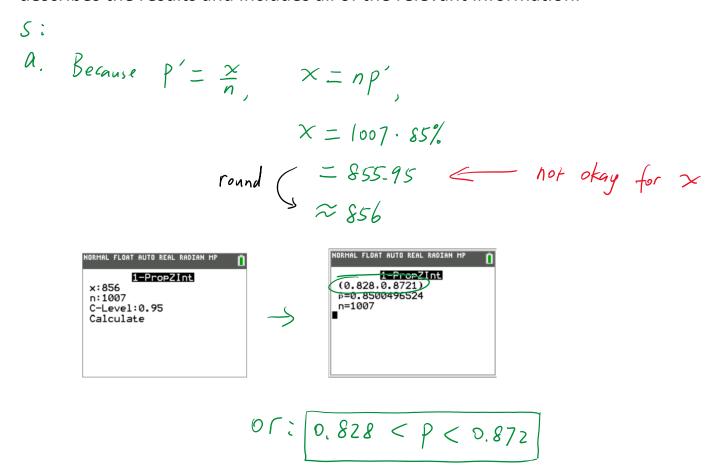
eg Earlier, we had that a Pew Research Center poll of 1007 randomly selected adults showed that 85% of respondents know what Twitter is. The sample results are n=1007. a. Find the 95% confidence interval estimate of the population proportion p.

- b. Based on the results, can we safely conclude that more than 75% of adults know what Twitter is?
- c. Assuming that you are a newspaper reporter, write a brief statement that accurately describes the results and includes all of the relevant information.



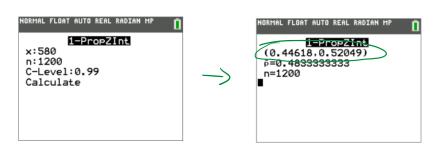
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- a. Find the 95% confidence interval estimate of the population proportion p.
- b. Based on the results, can we safely conclude that more than 75% of adults know what Twitter is?
- c. Assuming that you are a newspaper reporter, write a brief statement that accurately describes the results and includes all of the relevant information.

c. For 95% of the time, there are 82.8% to 87.2% of people would know what Twitter is.

Eg. Suppose that a sample of 1200 registered voters in California, 580 of them said they plan to vote for Obama back in 2008. Construct the 99% confidence interval for the percentage of registered votes in California who plan to vote for Mr. Obama.

5: n = 1200, x = 580, ask for 99% C.I.



44.6% < P < 52.0%