

the sample were in favor of firing the coach. Let p represent the

99% confidence interval for *p*?

 0.64 ± 0.079

0.64 ± 0.124

 0.64 ± 0.048

 0.64 ± 0.094

Question 4

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Homework 8: MATH661104-Applied Statistics

Question 6

confidence interval?

95%

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proportion of all living alumni who favored firing the coach. What is a

A study was conducted at the University of Waterloo on the impact characteristics of football helmets used in competitive high school programs. There were three types of helmets considered, classified

according to liner type: suspension, padded-suspension, and padded. In the study, a measurement called the Gadd Severity Index (GSI) was obtained on each helmet, using a standardized impact test. A helmet

was deemed to have failed if the GSI was greater than 1200. Of the 81

helmets tested, 29 failed the GSI 1200 criterion. How many

3 / 3 pts

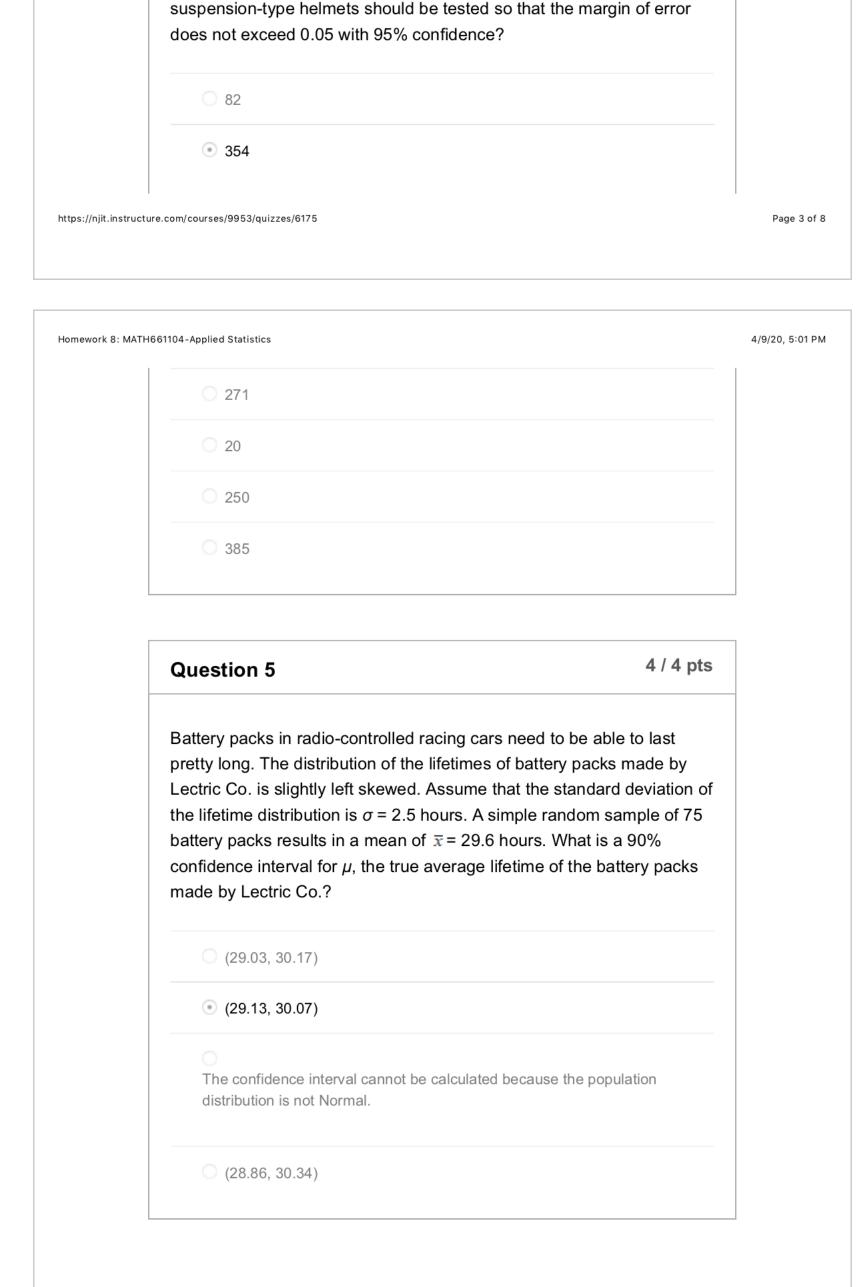
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3 / 3 pts

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Suppose that the population of the scores of all high school seniors who

took the SAT Math (SAT-M) test this year follows a Normal distribution with standard deviation σ = 100. You read a report that says, "On the basis of a simple random sample of 100 high school seniors that took

the SAT-M test this year, a confidence interval for μ is found to be

512.00 ± 25.75." What was the confidence level used to calculate this

