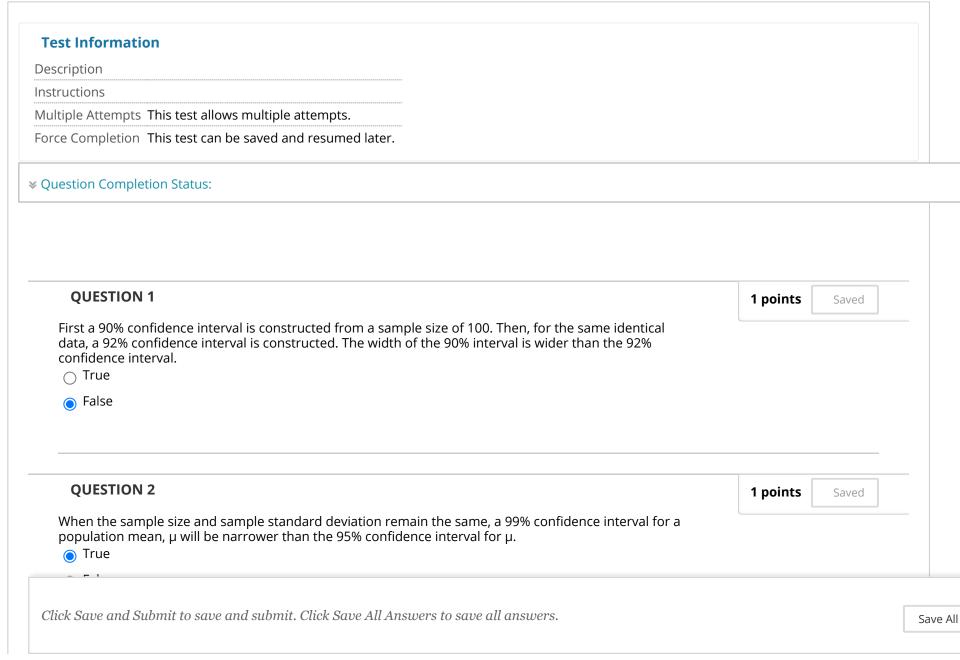
## Take Test: Chapter 8 Confidence Interval exercise



	1 points	Saved
The t distribution approaches the as the sample size		
O Binomial, increases		
Binomial, decreases		
○ Z, decreases		
<ul><li>Z, increases</li></ul>		
QUESTION 4	1 points	Saved
There is little difference between the values of $t_{\alpha/2}$ and $t_{\alpha/2}$ when:		
Question Completion Status:		
ITTE Sattiple Size is large		
○ The sample mean is small		
a Theory will access to be an		
<ul><li>The sample mean is large</li><li>The sample standard deviation is small</li></ul>		
<u> </u>		
<u> </u>	1 points	Saved
The sample standard deviation is small	1 points	Saved
The sample standard deviation is small	1 points	Saved
The sample standard deviation is small	1 points	Saved

The state highway department is studying traffic patterns on one of the busiest highways in the state. As part of the study, the department needs to estimate the average number of vehicles that pass an intersection each day. A random sample of 64 days gives us a sample mean of 14,205 cars and a sample standard deviation of 1,010 cars. What is the 92% confidence interval estimate of μ, the mean number of		
ars passing the intersection? Assume the population standard deviation is 1010.		
O [12,438 15,972]		
O [14,028 14,382]		
O [12,189 14,221]		
estion Completion Status:		
O [14,183 14,227]		
OUESTION 7		
QUESTION 7	1 points	Saved
A random sample of size 30 from a normal population yields $$		
deviation of 4.51. Construct a 95 percent confidence interval for $~\mu~$ .		
○ [23.96 41.64]		
○ [32.04 33.56]		
○ [31.45 34.15]		
<ul><li>[31.19 34.41]</li></ul>		
QUESTION 8	1 points	Saved
Scample set of weights in nounds are 1.01 05 1.03 1.04 07 07 00 1.01 and 1.03 Assume the		

<del>-</del>			
○ [.973 1.027]			
○ [.941 1.059]			
QUESTION 9		1 points	Saved
A sample of 8 items has an average fat content of 18.6 grams and a st Assuming a normal distribution, construct a 99 percent confidence int			
[16.06 21.14]			
[16.42 20.78]			
<ul><li>[15.63 21.57]</li></ul>			
Question Completion Status:			
QUESTION 10		1 points	Saved
A sample of 12 items yields $\bar{\chi}$ = 48.5 grams and s = 1.5 grams. Assu	uming a normal distribution		
construct a 90 percent confidence interval for the population mean w			
(a) [47.722 49.278]	cigrit.		
○ [47.788 49.212]			
○ [45.806 51.194]			
○ [47.865 49.135]			
QUESTION 11		1 points	Saved
	5. Assume that the sample is	1 points	Saved
Find a 99 percent confidence interval for $\mu$ if $\bar{X}$ = 98.6, s = 2, and n =	5. Assume that the sample is	1 points	Saved
	5. Assume that the sample is	1 points	Saved
Find a 99 percent confidence interval for $\mu$ if $\bar{\chi}$ = 98.6, s = 2, and n = randomly selected from a normally distributed population.	5. Assume that the sample is	1 points	Saved
Find a 99 percent confidence interval for $\mu$ if $\bar{X}=98.6$ , s = 2, and n = randomly selected from a normally distributed population.		1 points	Saved

**▼** Question Completion Status:

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All