Online Homework Package Created by : Elsit and Satya Mandal		
Course ld :Math 105	Topics in Mathematics	Semester : Summer2017
Instructor :Satya Mandal Line No : 84895		
Homework No: 28	Total Points :50	Due Date:(YYYY-MM-DD) 2017-07-27

Answer Question-1	This is a Numerical-Answer Type Question Test Statisitics Value=
Points	5.00

Question- Decide if it is a Two Tail, Left Tail or Right Tail Test and compute the p-value of the collected data in Question 1.

Answer Question-2	This is a Numerical-Answer Type Question p-value =
Points	5.00

Question- Refer to Question 1. What would be the lowest level of significance, percent among .1, .5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 percent, at which you would accept that the mean weight has reduced?

Answer Question-3	This is a Numerical-Answer Type Question Lowest percent =
Points	5.00

Question-	Refer to Question 1. At 1 percent level of significance, would you accept that that the mean length
4	of calls is higher than 10 minutes? Write 0 if the answer is NO and 1 if answer in YES

Answer Question-4	This is a Numerical-Answer Type Question No or Yes
Points	5.00

Question-	A car manufacturer claims that the new model of the car will give more mileage per gallon than the
5	old model. The old model gives a mean mileage of 33 miles per gallon. To test the claim, 19 cars of
	the new model were tested and the sample mean was found to be $\underline{x} = 35$ miles and the standard
	deviation $s = 5.6$ miles. Perform a significance test on the claim of the manufacturer. Here we test
	$H_0: \mu = 33$
	$H_A: \mu > 33.$
	** '
	First, compute the value of the test statistics.

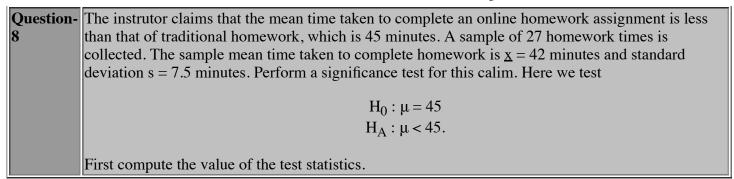
Answer Question-5	This is a Numerical-Answer Type Question
	Statistic value =
Points	5.00

Question-	Decide if it is a Two Tail, Left Tail or Right Tail Test and compute the p-value of the collected data
6	in Question 5

Answer Question-6	This is a Numerical-Answer Type Question p-Value =
Points	5.00

	Refer to Question 5. What would be the lowest level of significance, percent among .1, .5, 1, 2, 3,
7	4, 5, 6, 7, 8, 9, 10 percent, at which you would accept that the mean weight has reduced?

Answer Question-7	This is a Numerical-Answer Type Question
	Lowest percent =
Points	5.00



Answer Question-8	This is a Numerical-Answer Type Question
	Statistic Value =
Points	5.00

QuestionDecide if it is a Two Tail, Left Tail or Right Tail Test and compute the p-value of the collected data in Question 8.

Answer Question-9	This is a Numerical-Answer Type Question p-Value
Points	5.00

Question- Refer to Question 1. What would be the lowest level of significance, percent among .1, .5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 percent, at which you would accept that the mean time has reduced?

Answer Question-10	This is a Numerical-Answer Type Question
	Lowest Percent =
Points	5.00

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