Online Homework Package Created by : Elsit and Satya Mandal		
Course Id :Math 105	Topics in Mathematics	Semester : Summer2017
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Homework No: 30	Total Points :20	Due Date:(YYYY-MM-DD) 2017-07-27

Question-1	Yesterday at the zoo, you were told to tag as many geckos as you could on your shift. You tagged m = 121. Today, you were again told to tag as many of the geckos as you could on your shift. Of the n = 167 geckos you captured, you found that k = 79 of them were already tagged from yesterday. After rounding to the nearest integer, estimate the number of geckos in the zoo.

Answer Question-1	This is a Numerical-Answer Type Question
	An estimate of number of geckos =
Points	5.00

Question-2	You are on spring break in Honolulu, Hawaii. On a particular evening, you decide to have a night out on the town. While out, you speak to m = 22 students that also go to the University of Kansas. The next night, you go out once more and speak to n = 31 students from KU. Of these students you find that you already spoke to k = 11 of them on the night before. To the nearest whole student, estimate the number of KU spring-breakers that are on the island.

Answer Question-2	This is a Numerical-Answer Type Question
	An estimate of N =
Points	5.00

Question-3	You want to estimate the number of homeless people in New York City. On one night you identify 458 homeless people in the city. On another night some time later you identify 567 homeless people again in New York. Out the these 567, you found that 87 were identified last time as well. Give an estimate of homeless people in New York.

Answer Question-3	This is a Numerical-Answer Type Question
	An estimate of number of homeless in NY =
Points	5.00

Question-	To estimate the number of tigers in Sunderban you capture 216 tigers and tag them. After some time

| 4 | you capture 283 tigers and find that out of these, 72 were tagged from your previous attempt. Give an estimate of the number of tigers in Sunderban. |

Answer Question-4	This is a Numerical-Answer Type Question
	An estimate of number of tigers in Sunderban =
Points	5.00

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