Math 10 2019 Winter	Name: Last Yellow First Key
Quiz Chapter 1 Form A	Circle your regular class time 11:30 12:30 1 point deducted if you do not circle the class time
studying Statistics during the we	following: ested in the amount of time De Anza College Math 10 students spent eek of the second midterm exam. She surveyed a sample of De Anza d out how long they studied statistics during the week of the second
1. [3 points] Identify the type of	data as qualitative, quantitative discrete, or quantitative continuous
a) Amount of time a studer	nt studied
quanti	tativecontinoous
b) Whether a student used the	he textbook in print or as an ebook
qualita	etive
2. [3 <i>points</i>] In parts (a) and (b)	, fill in the blank by selecting from the following choices:
population	parameter sample statistic variable data
a) The sample produces an av	verage study time of 10.7 hours. 10.7 hours is an example of stotistic
b) Minh studied 9.6 hours the	at week. 9.6 hours is an example of
3. [4.5 <i>points</i>] For each situation cluster stratified	below, fill in the appropriate sampling method from the list shown: d systematic simple random convenience
	ally selected from each Fall 2018 Math 10 class.
Sampling Method:	
b) The sample was obtained	by using randomly selected student ID numbers to select students from a ed in Fall 2018 Math 10 classes.
	mple random sample

c) The sample was selected by randomly selecting eight Fall 2018 Math 10 classes and including every student in each of the eight selected classes.

4. A sample of 40 houses being sold were examined to find out how many bedrooms each house had. The data are summarized in the table below:

X = number of Frequency		Relative	Cumulative	
bedrooms	(number of houses)	Frequency	Relative Frequency	
1	2	2/40=.05	.05 ~	
2	5	5/40=.1256)		.05+.125
3	12	12/40=.30		0175+130
4	?(16)(a)	16/40=.40		475+.40
5	4	4/40= 10		1875+10
6	1	140=.025		,975+.025

Complete the table as needed to answer the questions below.

You are graded on your answers to the questions, not by the numbers you write in the table.

a.	[1	point]	How	many	houses	had	exactly -	4	bedrooms?
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b. [1 point] What is the relative frequency for 2 bedroom houses? (Answer to 3 decimal places)

c. [1.5 points] What is the cumulative relative frequency for 3 bedroom houses? (Answer to 3 decimal places)

d. [1.5 points] What percent of houses had at most 2 bedrooms? (Answer to a tenth of a percent)

e. [1.5 points] What percent of houses had at least 4 bedrooms? (Answer to a tenth of a percent)

5. [3 points] A medical clinic administrator is interested in the recovery times for all patients who visited the clinic for treatment of a sports injury. The clinic administrator selects a sample of its patients who have visited the clinic for a sports injury and reviews their records. **Identify the following:**

a. The VARIABLE is:

A. Average recovery time for all patients who visited the clinic for a sports injury parameter (B.) The recovery time for a patient who visited the clinic for a sports injury variable

C. List of recovery times for individual patients date

D. Number of patients in the sample size of sample "sample size"

ANSWER_B

b. The PARAMETER is:

A. All this clinic's patients who had injuries

B. Average recovery time for the patients in the sample who had sports injuries 5 techstic

C. The recovery time for a patient who visited the clinic for a sports injury ANSWER

c. The POPULATION is:

A. All of the clinic's patients

B. All the patients whose records were reviewed by the administrator for this study. Scample

C. All of the clinic's patients who visited the clinic about sports injuries population

D. All people who received medical care.

A,D include people who did not have, ANSWER C sports injuries but we are only interested. In people treated for sports injuries at this clinic