Statistics 300 Quiz #1a	Summer 2007 5:30-7:50 p.m.	Name:	Sol	ution	are with the " La Sylf-Hell	210 M.
(1 point; 1 minu 1. Give a s	ite) hort definition of st	atistics:				
BOX:	The artan	d scien	nee d.	making sense or	ut of day	a.
Histor	: Statistical	wition	that i	acutific method	(Fisher's	
(12 points; 6 mi 2. Circle th	inutes) in correct choice in	each box.			a doka	n na stano Tradicio di
	\bigcirc			Are the data ?	Are the data	a ?
a. The <u>c</u> all the New `	ombined weight (in e people that ride th York to Boston each	pounds) of le train from n weekday.	f n c	Qualitative Quantitative and Discrete Quantitative and continuous	Nominal Ordinal (Interval Ratio
b. The <u>a</u> of all Great	the gallons of gaso Britain last year.	sh pounds) line sold in be) st-k	Qualitative Quantitative and Discrete Quantitative and continuous	Nominal Ordinal	Interval Ratio
c. The <u>r</u> expre by tel last 3	adio talk show host essed their annoyan lling them to "pound 65 days.	s who have ce with a ca d sand" dur	aller C	Qualitative Quantitative and Discrete Quantitative and continuous	Nominal Ordinal	Interval Ratio
d. The <u>d</u> were f "poun	ates on which Chris held by the staff at C ds" in the last 10 ye	stmas partie City dog ears.		Qualitative Quantitative and Discrete Quantitative and continuous	Nominal (Interval Ratio
e. The <u>d</u> have the la	ress sizes worn by eten "pound cake" st 10 years. aten	women kno at some tim	own to he in	Qualitative Quantitative and Discrete Quantitative and continuous	Nominal Ordinal	Interval Ratio
f. The <u>te</u> cake" to dir	emperatures (ºF) at v mixes are to be ba ections supplied wi	which "pour ked accordi th the mix.	nd ing	Qualitative Quantitative and Discrete Quantitative and continuous	Nominal Ordinal	Interval Ratio

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(5 points; 6 minutes)

3. A polling company wants to estimate the percentage of the vote that Candidate "A" will get next week when the people in Candidate A's district go to the polls to cast votes. To make their estimate, the polling company contacts a random sample of 4,000 residents of the district and asks them three questions: (1) Did you vote in the last election? (2) Do you plan to vote in this election? (3) Who do you plan to vote for? Based on the data from their survey, the company reports the "45.3% of 2,830 likely voters say they will vote for Candidate A." The "likely voters" answered "yes" to the first two questions.

Use the information in the "story" to answer the following:

(a) What is the population of interest?

all voters d

(c) What statistic was used?

15

28 Who

(d) What the parameter of interest?

percentage.

(d) Was a census or a sample used in the work?

Samplo

(e) How do you know whether a census or a sample was used?

my 4000 residents were surveyed Those only 2830 were judged to be Because only 9 and population of interest. from the