(1 point; 1 minute)

1. Give a short definition of statistics:

(12 points; 6 minutes)
2. Circle the correct choice in each box.
a. The combined weight (in pounds) of all the people that ride the train from New York to Boston each weekday.

Are the data ... ? Are the data ... ?

b. The averge cost (in British pounds) of all the gallons of gasoline sold in Great Britain last year.


Names
c. The radio talk show hosts who have expressed their annoyance with a caller by telling them to "pound sand" during the last 365 days.

d. The dates on which Christmas parties were held by the staff at City dog "pounds" in the last 10 years.

e. The dress sizes worn by women known to have eten/"pound cake" at some time in the last 10 years.

f. The temperatures $\left({ }^{\circ} \mathrm{F}\right)$ at which "pound cake" mixes are to be baked according to directions supplied with the mix.


Name:

(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?

(c) What statistic was used?

is
(d) What the parameter of interest?

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

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


