Ch 11 Sample Surveys Worksheet

➤ Population and Sample, Parameter and Statistic

1. You are interested in the proportion of Statistics students in PSUSD that will end up with an A this semester. Identify the

   (a) population:

   (b) What sample method would be best? Why? :

   (c) parameter of interest:

2. The mean income of all subscribers to a particular magazine is **$26000**. We draw a random sample of 100 subscribers and find that their mean income is **$27300**. Identify the

   (a) population:

   (b) sample:

   (c) parameter:

   (d) statistic:

3. The average GPA for all female volleyball players in a particular college is **2.8**, and their mean height is **182cm**. Identify the parameter or statistic if there is any

➤ Types of Sampling

4. Which sampling method was utilized? Why?

(a) Student organization looking to get signatures for a petition camp out in front of Class of 1950 Lecture Hall.

(b) Select three students from a class to receive ice cream by putting all the students' names in a hat and picking out three names randomly.

(c) Select three female students and three male students to receive ice cream by putting all the men's names in one hat and all the women's names in a different hat and picking out three names from each hat.

(d) In Fall 1995, the BBC in Britain requested viewers to call the network and indicate their favorite poem.

(e) Divide the class into four groups (freshman, sophomore, junior and senior) and take a random sample of two students from each group.

(f) Priceline.com randomly e-mails a Customer Satisfaction Survey for certain transactions done on its site

in which customers choose to either respond or not.