Quiz # 1 Stat 213-01

NAME: ID #: Serial #:

1. A summary measure that is computed to describe a characteristic from only a sample of the population is called
    a) a parameter.
    b) a census.
    c) a statistic.
    d) the scientific method.
    e) the nonscientific method.

2. To monitor campus security, the campus police office is taking a survey of the number of students in a parking lot each 30 minutes of a 24-hour period with the goal of determining when patrols of the lot would serve the most students. If X is the number of students in the lot each period of time, then X is an example of
    a) a categorical random variable.
    b) a discrete random variable.
    c) a continuous random variable.
    d) a statistic.
    e) a parameter

3. Researchers are concerned that the weight of the average American school child is increasing implying, among other things, that children's clothing should be manufactured and marketed in larger sizes. If X is the weight of school children sampled in a nationwide study, then X is an example of
    a) a categorical random variable.
    b) a discrete random variable.
    c) a continuous random variable.
    d) a statistic
    e) a parameter.

4. The chancellor of a major university was concerned about alcohol abuse on her campus and wanted to find out the proportion of students at her university who visited campus bars on the weekend before the final exam week. Her assistant took a random sample of 250 students. The total number of students in the sample who visited campus bars on the weekend before the final exam week is an example of
    a) a categorical random variable.
    b) a discrete random variable.
    c) a continuous random variable.
    d) a statistic
    e) a parameter.

5. The chancellor of a major university was concerned about alcohol abuse on her campus and wanted to find out the proportion of students at her university who visited campus bars on the weekend before the final exam week. Her assistant took a random sample of 250 students. The portion of students in the sample who visited campus bars on the weekend before the final exam week is an example of
    a) a categorical random variable.
    b) a discrete random variable.
    c) a continuous random variable
    d) a parameter.
    e) a statistic

6. The possible responses to the question "How much time do you use the videocassette recorder every week on the average?" result in

    a) a nominal scale variable.
    b) an ordinal scale variable.
    c) an interval scale variable.
    d) a ratio scale variable.
    e) a categorical variable.

7. The possible responses to the question "How many people are there in your household?" result in

    a) a nominal scale variable.
    b) a qualitative variable
    c) an ordinal scale variable.
    d) an interval scale variable.
    e) a ratio scale variable.

8. The possible responses to the question "How would you rate the quality of your purchase experience with 1 = excellent, 2 = good, 3 = decent, 4 = poor, 5 = terrible?" result in

    a) a nominal scale variable.
    b) an ordinal scale variable.
    c) an interval scale variable.
    d) a continuous variable.
    e) a ratio scale variable.

9. The possible responses to the question "What brand of videocassette recorder did you purchase?" result in

    a) a nominal scale variable.
    b) an ordinal scale variable.
    c) a discrete random variable
    d) an interval scale variable.
    e) a ratio scale variable.

10. The possible responses to the question "How much time do you use the videocassette recorder every week on the average?" are values from a

    a) discrete numerical random variable.
    b) continuous numerical random variable.
    c) categorical random variable.
    d) parameter.
    e) a nominal scale variable.