SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) Management at a retail store is concerned about the possibility of drug abuse by people who work there. They decide to check on the extent of the problem by having a random sample of the employees undergo a drug test. Several plans for choosing the sample are proposed. Name the sampling strategy in each.

   a. Randomly select an employee classification and test all the people who work in that classification - supervisors, full-time clerks, part-time clerks, and maintenance staff.

   b. Choose the fourth person that arrives to work for each shift.

   c. There are four employee classifications: supervisors, full-time clerks, part-time clerks, and maintenance staff. Randomly select ten people from each category.

   d. Each employee has a three-digit identification number. Randomly choose 40 numbers.

2) Explain why the first plan suggested above, sampling an entire classification, might be biased. Be sure to name the kind(s) of bias you describe.

   3) Name and describe the kind of bias that might be present if the management decides that instead of subjecting people to random testing they’ll just…

   a. Hold department meetings and drug test the employees that attend.

   b. Offer additional employee discounts for those employees who agree to be drug tested.
4) Define the following:
   a. Sampling Frame
   b. Population
   c. Bias
   d. Census
   e. Undercoverage

5) True or False: The use of chance (randomization) is an important part of statistical sampling.

6) Differentiate between response and non-response bias.

7) Why is voluntary response sampling not a preferred statistical sampling method?