NAME:_____

DATE:_____

State the population and sample for each of the following. Then chose which type of sample it is.

1. A university wanted to know how students felt about their education. They set up a table at the library and asked 500 students.

   Population =_____

   Sample =_____

   What type of sample is it?

   (A) Simple Random Sample

   (B) Convenience Sample

   (C) Systematic Sample

   (D) Census

2. A large corporation wants to find out which benefits plan its employees would prefer. They randomly select 50 employees from a list of all employees.

   Population =_____

   Sample =_____

   What type of sample is it?

   (A) Simple Random Sample

   (B) Convenience Sample

   (C) Systematic Sample

   (D) Census

Identify the sample as GOOD SAMPLE or BIASED SAMPLE.

Generic High School is planning a dance for homecoming. They are looking for feedback on how to make the dance better.

   Samples:

   a. Ask for volunteers from the Senior class to meet after school to discuss the dance.

   GOOD SAMPLE or BIASED SAMPLE

   b. Randomly select 50 high school students and ask them about the dance.

   GOOD SAMPLE or BIASED SAMPLE

Label the following as GOOD QUESTION or BIASED QUESTION.

6. Generic High School Homecoming dance is going to be amazing!!!! Are you going?

   GOOD QUESTION or BIASED QUESTION

7. Mark your response for the given statement. "I am satisfied with the cleanliness of the cafeteria."
   Strongly Agree   Agree   Disagree   Strongly Disagree

   GOOD QUESTION or BIASED QUESTION

Use each sample to draw inferences about the population.

8. Tami surveys 40 random people at the grocery store. 35 of the people she surveys like having a coffee shop in the grocery store. If the grocery store has 240 people shopping, how many of them would you expect like having a coffee shop in the grocery store?
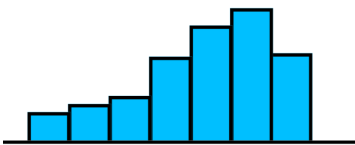
9. Mr. Brust's kids love waffles. He tracks what type of waffles that he buys for his kids in the table below.

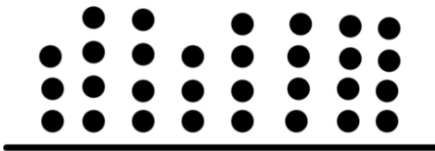| Type	Percent
Regular	55
Chocolate	15
Blueberry	30

If Mr. Brust buys 80 waffles, how many would be Blueberry?

Describe each distribution as Normal, Skewed Right, Skewed Left, Uniform or Bimodal.

10.

11.

12.