Name: _____ | sample |

Use the back of the sheet if you need more space.

No books or notes are allowed. Calculators are allowed, but you must show your work or you will get **no credit**.

1. (a) Somebody did | something |.
    What is the statistical population?
    the population unit?
    the sample?
    Is the data qualitative?
    numerical?
    continuous?
    discrete?
    anecdotal?

   (b) You need to simulate the results of | something |
    Use the random number table below to get your results. Explain what you did.
    | small table |

   (c) You | roll dice or flip coins |. What is the probability that you get | some certain outcome |?

2. Somebody counted something and collected the data:

    | 3–10 whole numbers |

   (a) Make a relative frequency distribution table.

   (b) Compute the median, the first quartile, the third quartile, and the 90th percentile.

   (c) Make a boxplot.

3. Somebody measured something and collected the data:

    | 3–10 decimal numbers |

   (a) Make a dot diagram.

   (b) Using the intervals ****, construct a relative frequency distribution table and make a histogram.

   (c) Compute the mean and standard deviation. Mark the mean on your histogram.