Test 9A AP Statistics Name: [illegible]

Directions: Write as there (more) answer complexity, but be concise.

Part 1: Multiple Choice. Circle the letter corresponding to the best answer.

1. Following a dramatic drop of 508 points in the Dow Jones Industrial Average in September 1998, a poll conducted for the syndicated Press Group that 63% of those polled said that a year from now their family financial situation will be as good as it is today or better. The number 63% is a
   (a) Statistic
   (b) Sample
   (c) Parameter
   (d) Population
   (e) None of the above. The answer is _____

2. In a large population, 80% of the households own WCR's. A simple random sample of 100 households is to be selected and the sample proportion computed. The mean of the sampling distribution of the sample proportion is
   (a) .04
   (b) 5.16
   (c) Almost 0.04, but not exactly 0.04
   (d) 0.80(.20)
   (e) The answer cannot be computed from the information given

3. If a population has a standard deviation σ, then the standard deviation of the means of 100 randomly selected cases from this population is
   (a) σ
   (b) 100σ
   (c) $\sigma/100$
   (d) $\sigma/100^2$
   (e) 0.1

4. The distribution of sample values for a statistic in all possible samples of the same size from the same population is
   (a) The probability that the statistic is obtained
   (b) The population parameter
   (c) The variance of the values
   (d) The sampling distribution of the statistic
   (e) None of the above. The answer is _____

5. If a statistic used to estimate a parameter is such that the mean of its sampling distribution is equal to the true value of the parameter being estimated, the statistic is said to be
   (a) Random
   (b) Biased
   (c) A parameter
   (d) Unbiased
   (e) None of the above. The answer is _____