CFA 8 Statistics Corrections

1. Mean battery life of 7 hours and a standard deviation of .6. Find percent of laptops with a battery life between 6.4 and 7.0.
2. Tell if this is an observational study, experiment or sample survey and WHY!!
   Education professors visiting public high schools found that 75% of the students used computers in their classroom work at least once a week. The professors visited a total of 25 schools in 5 states.
3. Classify this situation as a sample survey, observational study or an experiment and tell WHY.
   A nationwide survey of 2500 Americans between the ages of 25 and 29 years old showed that 82% are high school graduates.
4. Tell why this scenario is biased. The total number of home runs hit by each player on a baseball team is recorded and arranged from most number of home runs to least number of home runs. You choose the first ten numbers from the list and perform an experiment to analyze the number of home runs recorded for the team that season.
5. Change the mean to 78 and standard deviation to 5. Scores less than 2 standard deviations below the mean fail the test and must retake. What is the lowest score that passes the exam?
1. Mean battery list of 32 with a standard deviation of 3 hours.

   e. 25,000 batteries were produced.