Worksheet 6.4A

1) Systematic; biased; People attending a baseball game may be likely to say baseball is their favorite sport.

2) Self-selected; unbiased; People entering a pet store would not be biased toward any one particular animal.

3) Convenience; biased; Members leaving an aerobics class are more likely to attend aerobics classes than other members

4) ± 6.7% 6) ± 4.0% 8) ± 1.5% 10) ± 5.1%

12) 204 people 14) 156 people 16) 816 people 18) 434 people

20) ± 3.5%

22) Assign each person a number from 1-15,000 and use a random number generator to select 800 unique number

24) Mailing a survey to each person and then counting the first 800 that are received (self-selected)

Worksheet 6.5A

1) The question assumes that the respondent is aware of the school board’s plan for a new dress code for all schools.

2) The question encourages the respondent to answer in a particular way since a state employee will most likely be affected if there are cuts to state worker benefits.

3) The question encourages the respondent to answer in a particular way suggesting that adding a lane is a solution to the heavy traffic.

4) Students may be afraid to admit to their teacher the number of hours they spend studying each week.

5) Observational Study

6) Experiment
7) Observational Study

8) Observational Study

9) The study is not a randomized comparative experiment. The players were not randomly assigned to a control group or treatment group.

**Grading Scale**

0 incorrect = 10

1 – 2 incorrect = 9

3 – 4 incorrect = 8

5 – 6 incorrect = 7

7 – 9 incorrect = 6

10 – 11 incorrect = 5