Student Name: ____________________________________________________

**Manipulating fractions:**
1. I enjoy this  
2. This is a valuable life skill.  
3. This is a valuable skill for anyone using data to make decisions.  

**Interpreting functions and manipulating algebraic symbols**
4. I enjoy this.  
5. This is a valuable life skill.  
6. This is a valuable skill for anyone using data to make decisions.  

**Analyzing numbers/statistics involving people and events in everyday life.**
7. I enjoy this.  
8. This is a valuable life skill.  
9. This is a valuable skill for anyone using data to make decisions.  

**Analyzing statistics involving pure chance in games, surveys, studies and experiments**
10. I enjoy this.  
11. This is a valuable life skill.  
12. This a valuable skill for anyone using data to make decisions.  
CLAIMS:
13. Statistics are basically numbers. They don’t change regardless of what you take into account. E.g., two plus two is always four.
14. Statistics are like words. They change depending on what you take into account.

STUDIES:
15. A news story reports that students who take algebra in 8th grade are more likely to go to college than those who don’t. This statistic strongly supports requiring all students to take algebra in 8th grade.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree
16. A study finds that only 90% of golfers who take a two-day golf camp have lower scores after the camp than they had before. This statistic strongly supports the conclusion that this two-day golf camp is effective in improving the scores of the attendees.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree
17. A study finds that only 74% of those in prison have below-average IQs. This statistic strongly supports the conclusion that students with below-average IQs are at risk for becoming criminals.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree
18. A study finds that 53% of families are dysfunctional. This statistic strongly supports the conclusion that most families need professional help or counseling.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree
19. A small random survey of 30 college students finds that students that were serious gamers were more likely to have lower grades. If colleges were effective in controlling student gaming, they could expect to see student grades increase.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree
20. A study finds that only 2% of college athletes reported cheating on tests. This statistic strongly supports the conclusion that cheating is not a big problem among college athletes.
   a. Strongly disagree  b. disagree  c. Neutral  d. Agree  e. Strongly agree

CONCLUSION:
21. Statistical Literacy should be a required course for all college graduates.