Gender: male female Name:

Major (level): Date:

**Scientific and Mathematics Efficacy Instruments Adapted from:**

Ibe, M. and Deutscher, R. (2003). The role of the goldstone apple valley radio telescope project. *Paper presented at the annual meeting of the American Education Research Association.* (Chicago, Illinois).

Please select and record the scale number that sounds most like you for each of the following items.

**1(Strongly Disagree), 2(Somewhat Disagree), 3(Undecided), 4(Somewhat Agree), 5(Strongly Agree)**

1. I like science \_\_\_\_\_
2. I can think scientifically \_\_\_\_\_
3. I am able to use scientific equipment \_\_\_\_\_
4. I can be trusted to communicate scientific concepts accurately \_\_\_\_\_
5. I am comfortable asking scientific questions \_\_\_\_\_
6. I value my work as a scientist \_\_\_\_\_
7. Other people value my work as a scientist \_\_\_\_\_
8. I am able to find mathematical patterns or trends in my data \_\_\_\_\_
9. I like mathematics \_\_\_\_\_
10. I can think mathematically \_\_\_\_\_
11. I am able to use mathematical software programs \_\_\_\_\_
12. I can be trusted to communicate mathematical concepts accurately \_\_\_\_\_
13. I am comfortable asking mathematical questions \_\_\_\_\_
14. I value my work as a mathematician \_\_\_\_\_
15. Other people value my work as a mathematician \_\_\_\_\_
16. I am able to find possible scientific reasons to explain patterns in data \_\_\_\_\_
17. I can rethink my ideas based on new information \_\_\_\_\_
18. I can complete a long-term project \_\_\_\_\_