SHA Visual Evaluation

For each statement, please determine if you agree with the statement. Circle one of the choices.

1. The *demo mode* of the SHA software used in class helped me to better understand the workflow of the SHA cipher.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

2. The *demo mode* was helpful for my self-study.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

3. The *practice mode* helped me to remember how to encrypt messages using the SHA cipher.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

4. The *full mode* helped me to understand how the SHA cipher encrypts a full-length message.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

5. The *full mode* provided me a simple tool to do real SHA encryption.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

6. The global view helped me to locate the current demonstrated operation within the overall SHA algorithm.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

7. By using the software, I was able to identify the parts of the SHA cipher that I did not understand before.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

8. By using the software, I was able to better understand the SHA algorithm?
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

9. The SHA software enhanced the course.
   1=Strongly Disagree   2=Disagree   3=Neutral   4=Agree   5=Strongly Agree

10. How long did it take you to understand SHA Algorithm by using the software?
    1=Less Than Five Minutes   2=Five to Ten Minutes   3=Ten to Fifteen Minutes
    4=Fifteen Minutes to Thirty Minutes   5=More Than Thirty Minutes

11. How often did you use this software when studying the SHA Algorithm?
    1=Only Once   2=One to Three Times   3=Three to Five Times
    4=Five to Ten Times   5=More Than Ten Times

12. How long did you use this software totally?

1=Less Than Five Minutes   2=Five to Fifteen Minutes   3=Fifteen to Thirty Minutes
4=Thirty Minutes to One Hour   5=More Than One Hour

Please answer each question.

1. This program uses a small-size message (multiple of 256 bits) for demo and practice. Did this restriction have an impact on your learning?

2. This program only visualizes one round of the SHA cipher. Did this restriction have an impact on your learning?

3. Please evaluate and comment on the Words Generation module. Was this component of the program easy to understand and use? Did it enhance your learning?

4. Please evaluate and comment on the Compression Function module. Was this component of the program easy to understand and use? Did it enhance your learning?

5. Please evaluate and comment on the Round and Mixer modules. Were these components of the program easy to understand and use? Did it enhance your learning?

6. Please evaluate and comment on the Practice Mode design.

7. Please evaluate and comment on the Full Mode design.

8. Did the demo version used in the class presentation help you follow the algorithm for the SHA cipher better than the use of the blackboard? Please name the most and least effective parts, and provide your comments.

9. Are there any new features you wish to be added to make this program better and more effective?

10. What is your major?

11. Did you encounter any problems when installing the software on your computer? Please explain.