Name: _______________________________________________

Please answer 10 of the following 11 questions – 5 points each, scaled to 10% of the course. (first 10 marked, 11th will be ignored).

1. Describe five useful variables to record when conducting a study on group collaboration using Skype as a communication media. (Think back to the group lab conducted in class.)

2. Describe the Risk-driven Incremental Commitment model and two implications for your course project.

3. Acne notes 26 ways to identify an issue, and then 5 ways to follow up. Note two of the ways to follow up on an issue.
4. Describe two ways to do usability testing and/or interface testing after an interface is built, and note one advantage and one disadvantage of each of them.

5. (a) Explain the "diffusion of social responsibility". (b) Explain an attribution error that people make (often called the fundamental attribution error).

6. Consider a new way to log in to Penn State systems. Assume that the user name does not change. Assume that a user’s password is 8 characters, mixed case. The new way is to move the mouse to all four corners of the screen (Upper left, bottom right, upper right, bottom left), and then to click the existing login button. (This new way has the movement curves as the identifying information.) How long will each method take?
7. Name four factors you can change to encourage teamwork (out of those by Axelrod and the sections on motivation in *The ABCS*, or other sections) and give a brief description of each factor.

8. The book notes 6 summary aspects of users. Note two of them and what each means for design.

9. Given a task analysis of a new smart phone, explain two uses of it for designers.
10. Using *concepts from the course*, discuss whether we will see free textbooks in our lifetimes. Note two reasons why and two reasons why not.

11. Fill in this figure of the ACT-R cognitive architecture, items 1-7.