First and Last Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ [1 pt. – nobody gets a zero!]

You will have one half-hour to complete the quiz. You may ask me questions during the quiz *for clarification only*. The quiz is CLOSED BOOK, CLOSED NOTES, CLOSED COMPUTERS, and CLOSED NEIGHBOR. **Please remember** to state your assumptions and show your calculations *so you can get partial credit* for your answers. **Please read all of the questions** before beginning the test – there are things in later problems that may help you with earlier ones. There is a total of 70 points.

1. What are the fundamental activities of any software life cycle? Just name them, you don’t need to describe or explain them. [10 pts.]
2. What other activities might be considered as part of a software life cycle? Just name them, you don’t need to describe or explain them. [10 pts.]
3. What is the difference between a *Software Requirements Specification* and a *Software Development Plan*? [6 pts.]
4. Is the *Rational Unified Process* considered a “Waterfall” life cycle approach? Why or why not?  
   [5 pts.]
5. What is the difference between a Test Plan Document and a Test Procedure Document? [5 pts.]
6. Is there a difference between the Agile Software Development Method and the Spiral Development Method? [5 pts.]
7. What is the difference between *Validation* and *Verification*? [5 pts.]
8. What are the three parts to the “holy trinity” of software development? [3 pts.]
9. Are models a 100% accurate way of representing a software system? Present your opinion and at least one supporting argument to back up your position. [10 pts.]
10. Present your opinion and at least one supporting argument for the following question: *If a software project is over budget but completes on time and with full functionality, is that a “project failure”?* [10 pts.]