

## Software Engineering Q/A Sheet (#3)

date:\_\_\_\_\_ number:\_\_\_\_\_ name: \_\_\_\_\_

### Questions from Prof.

1. Explain the strengths and weaknesses of the Waterfall model.
2. Explain the strengths and weaknesses of the incremental model.
3. Look for refactoring concepts and find examples of them.
4. Compare the waterfall model with the incremental model for the workflow.
5. Describe four fundamental process activities.
6. Describe the requirement engineering process with key activities and their work products.
7. Describe the differences between component, system and acceptance tests.
8. Slide On page 28, discuss when to plan each test with why.
9. Change is inevitable in every large software project. There are two related approaches you can use to reduce rework costs. First, explain the concept of rework and describe two approaches.
10. Discuss the benefits of prototyping. And explain the reasons for improved maintainability on page 38 of the slide.
11. Compare throw-away prototyping with exploratory prototyping.
12. With incremental delivery, customers can feel more confident about the system. Guess why.
13. Complete testing is virtually impossible. Discuss cost-effective testing strategies in development environments where time and cost are inadequate. Hint: Take advantage of available statistics.

### Questions from your ownself

- 1.
- 2.