Practice Quiz 1

Remembering
1. Give a sentence or two informally defining each of the following terms:
   • Software engineering
   • Software process
   • Waterfall process model
   • SRS
   • Incremental development
   • Agile development processes
   • Scrum (process)
   • Extreme programming

2. List the four fundamental software engineering activities, and include a short sentence summarizing what each activity does.

Understanding
3. What is the relationship between “agile software development” and “eXtreme programming”?

4. Give one way that software engineering differs from (“simple” software development, computer science).

Analyzing
5. Give an example scenario where a (plan-driven, change-driven) process model would be preferred over a (change-driven, plan-driven) model. Include a description of why the (plan-driven, change-driven) process model is preferred in your scenario.

6. Consider the (waterfall phase, Scrum task, XP practice) given below. Provide a paragraph describing how it helps meet one of the four “objectives” we gave for software engineering (PQCT – increase productivity and quality, reduce cost and time to market).

Evaluating
7. Consider the software project described below. State which process model (waterfall or XP) you would choose for the project, and give two reasons why you would make this choice. Include several sentences defending each of your two reasons.