**Homework 2: Software Processes**

**Problem 1**

*Suggest the most appropriate generic software process model that might be used as a basis for managing the development of the following systems. Explain your answer according to the type of system being developed:*

* *A system to control anti-lock braking in a car.*
* *A virtual reality system to support software maintenance.*
* *A university accounting system that replaces an existing system.*
* *An interactive travel planning system that helps users plan journeys with the lowest environmental impact.*

**Problem 2**

*Incremental software development could be very effectively used for customers who do not have a clear idea about the systems needed for their operations. Discuss.*

**Problem 3**

*Explain why software testing should always be an incremental, staged activity. Are programmers the best people to test the programs that they have developed?*

**Problem 4**

*Suggest why it is important to make a distinction between developing the user requirements and developing system requirements in the requirements engineering process.*

**Problem 5**

*Suggest five possible problems that could arise if a company does not develop effective configuration management policies and processes.*