Long Question Chirea Liviu the act of examining the behavior of software under other act of examining different techniques, for a certain different conditions using different techniques, for a certain objective. It involves greating test plans, designing test cases, executing tests, and analyzing the results. Example: performance testing =) increasing the number of reguests sent to a web server to observe what happens (it it crashes, if requests one last etc) Concept 2: Pair-Programming - a sultware development technique in which 2 programmers work together at one work. One , the driver, writes wole while the other, the observer or mavigator, reviews each line of wate as it is typed in these roles are switched supposed to switch frequently. Example: one programmer writes an algorithm to check whither a number is prime while the other review the logic to each line. Similarities 1. Quality -> both approaches involve a focus on qualitative dan code, either through ensuring results in contain aircumstances, or continuous review & revision 2. Heration - ) testing is performed in multiple cycles, with different techniques; poir programming develops ports of the software sequentially 3. Collaboration -> testing involves communication with developing or product managers, pair programming is inherently about coveration between 2 programmers

4. Continuous improvement -) both activities are designed to encourage the development of letter skills, understanding and intrastrudure to help accomplish the objective. 1. Roles -> the testers are the main actors of a settware testing operation, which perform different variations of tests; the two pair programmers have opposite functions 2. Timing -) pair programming, when performed, is an integral part of the development cycle; whereas testing can happen before, during, or after development 3. Objective -) the main mission of festing is to find olefets, while pair programming aims to not create them in the first 4. Skillset -) testing may or may not require the skill to develop the software that is tested, and programmers can ownite code with no tests at all.