**Cost of Software Quality exercise**

XYZ Company has identified the cost of all software activities for a client. All newly hired software engineers will enroll in a requirement gathering training course that will educate them how to gather and prepare a quality requirements document (5000SR). While for new hired programmers another training course called “Programming java with quality style” is a must to attend (6000SR). All employees are required to obtain certificates to the training programs they enrolled in by attending associated exams (3000SR). External experts have been contracted to prepare different instructions manuals such as programming instructions manuals (1000SR), software quality plans instructions manuals (1500SR), and hardware installation procedure manuals (800SR). The software quality department conducted different review tasks to the used SDLC such as requirements general review (2000SR) and Class diagrams review (1000SR). Unit and integration testing tasks have been applied for all developed modules (7000SR). The testing has found 27 bugs that consumed (7000SR) to fix. The company asked the client to perform acceptance tests (300SR) and the client found 2 bugs that cost (4000SR) to fix. The company had a deal with the client to fix all errors and failures within the first year of installation. During that time, there were 7 failures that cost, on average, (12000SR) per failure.

Identify the cost of Prevention cost, Appraisal cost, Internal failure cost, External failure cost and the total cost of software Quality.