

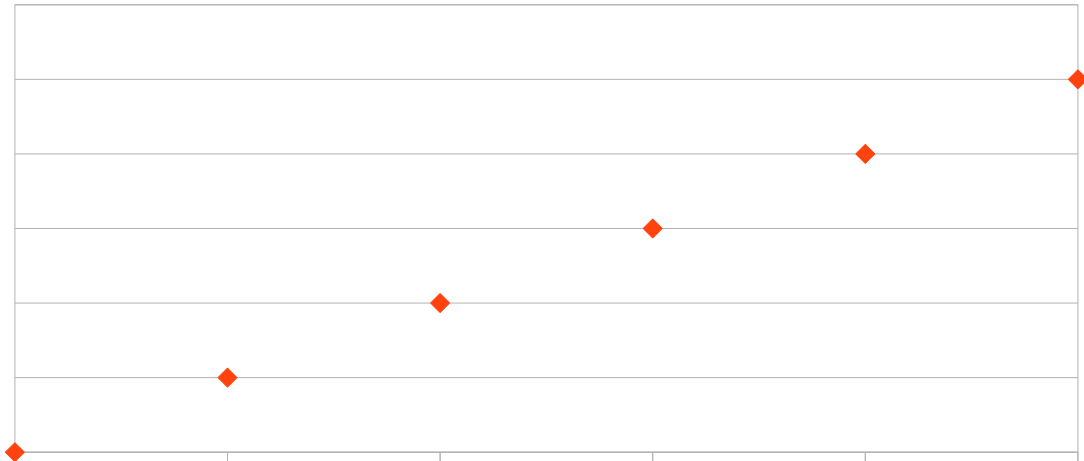
Exercise 9

1.

The more defects that remain in the software at delivery, the more time and resources the support team needs to spend fixing bugs, handling user complaints, and maintaining the system.

Impact:

Increased customer dissatisfaction, higher support cost, damage to brand reputation, slower future development



2.

Pro Arguments

1. Faster feedback loop
2. Deep understanding of the code
3. Encourages better coding practices
4. Saves time for QA team
5. Enables Test-Driven Development

Con Arguments

1. Bias: “I know it works” mindset
2. May miss obvious bugs
3. Less objective
4. Less variety in test cases
5. Overlooks edge cases

4.

Regression Testing ensures that existing features still work after changes (bug fixes, enhancements, refactoring).

Prevents new bugs from being introduced, verifies old functionality still works, automates repeated testing as the software evolves.

E.g. when fixing a bug in feature A, but feature B breaks — regression testing catches that.

5.

Black Box Testing

Test without seeing internal code, focuses on input/output behavior, performed by testers.

Examples: UI tests, acceptance tests.

White Box Testing

Test with full visibility into the source code, focuses on logic, branches, conditions, usually done by developers.

Examples: unit tests, code coverage.

