

Verification and Validation

Verification determines if the products of a given phase of the **SW life cycle** fulfill the **requirements** established during the previous phase.

- ⊕ Formal proof of **program** correctness
- ⊕ Reviewing, inspecting, **testing**, checking, auditing, or otherwise establishing and documenting whether or not items, **processes**, services, or **documents** conform to specified **requirements** (ANSI/ASQC A3-1978).

Validation checks *if* the program, as implemented, meets the expectations of the customer in such a way to ensure **compliance** with software requirements.

Software Engineering Principles

From *Software Engineering* by I. Sommerville, 1996.

