

## Answer on Question #76065 – Math – Differential Geometry | Topology

### Question

Define surface.

### Solution

**Common definition:** *Surface* is a generalization of a plane which need not to be flat, that is, the curvature is not necessarily zero. This is analogous to a fact that a curve is a generalization of a straight line.

**In topology:** *Surface* is a two-dimensional manifold, and it may be an "abstract surface" not embedded in any Euclidean space.