EXAM FOR TOPOLOGY
WINTER SEMESTER 2025/2026

QUESTIONS SET NO. 6

1. Give a definition of continuous map. Give examples of continuous and not continuous maps.

2. Does the cancellation for the product of topological spaces hold, i.e., it is true that for any 3 topological spaces X, Y, Z such that $X \times Z$ is homeomorphic to $Y \times Z$, it holds that X is homeomorphic to Y?