## Tutorial 4

Infinity

## Q.1: Proof by Contraposition

 $\square$  Prove that if 7x + 9 is even, then x is odd.

## Q.2: Comparison of Infinities

□ Do the intervals (0,1) and (0,2) have the same cardinality? Prove or disprove it.

- a) Yes
- b) No