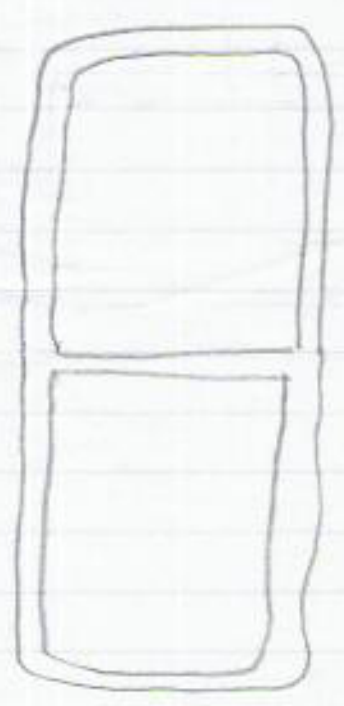
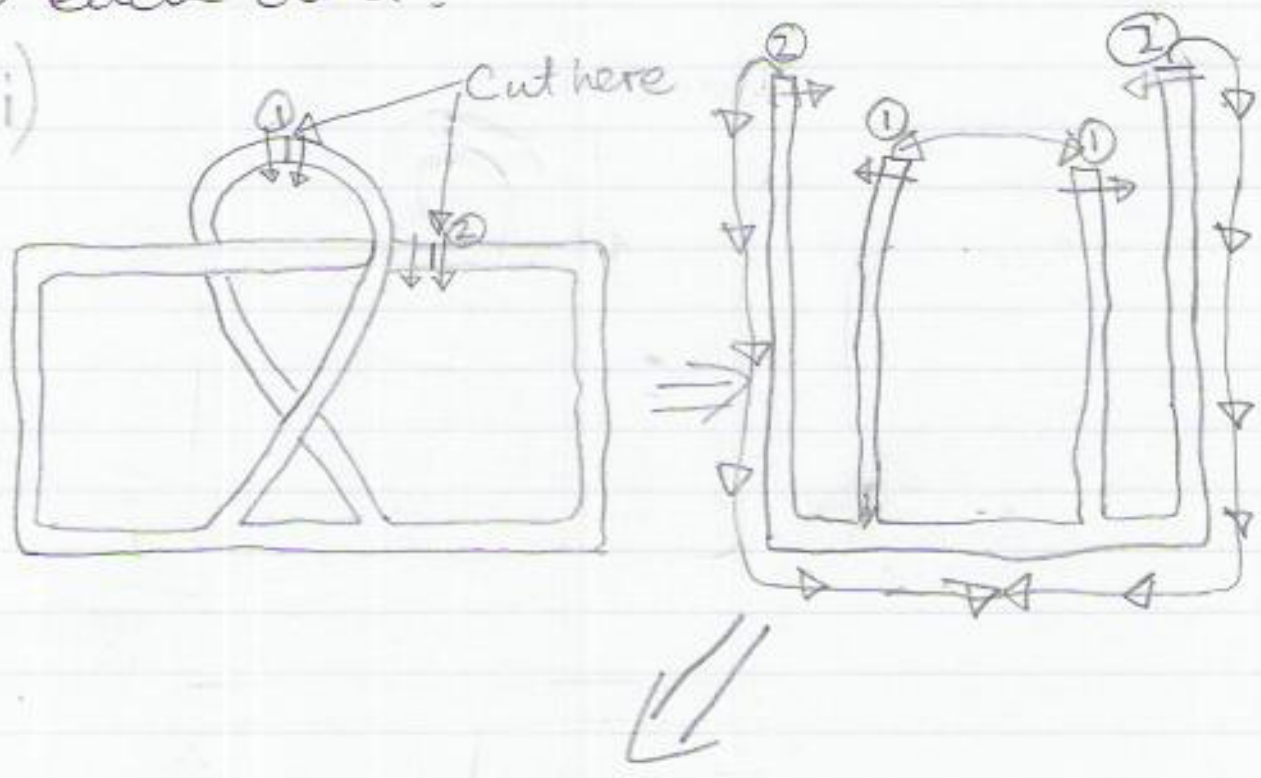


10

ii) the no. of boundary curves is an invariant topological property, and is preserved under a homeomorphism. Because no two surfaces shown have the same no. of boundary curves, and because only surfaces with the same no. of boundary curves can be homeomorphic, no. two surfaces shown are homeomorphic to each other.

✓ 10/10

6)i)



This surface is topologically equivalent to a disc with two holes.

3/3 ✓