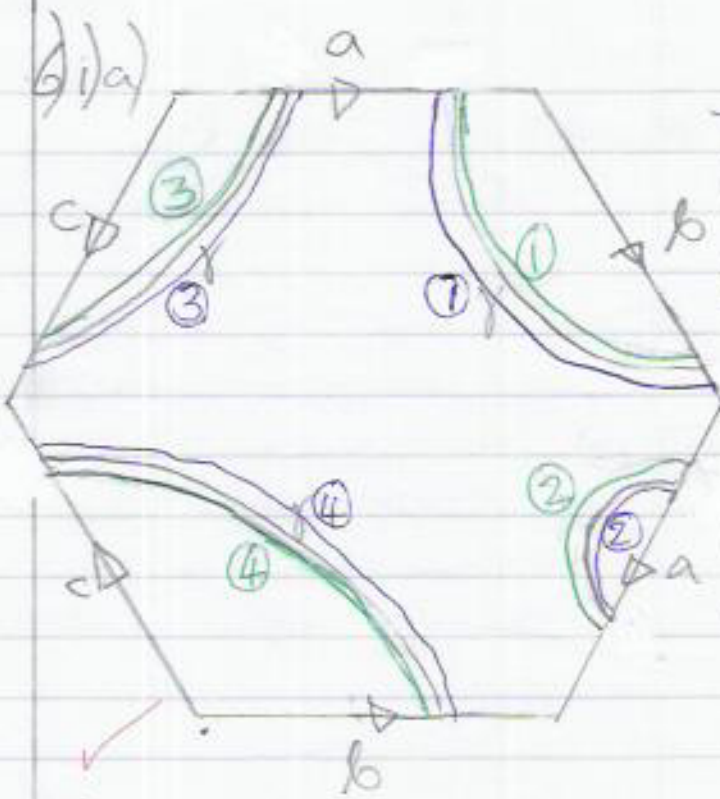


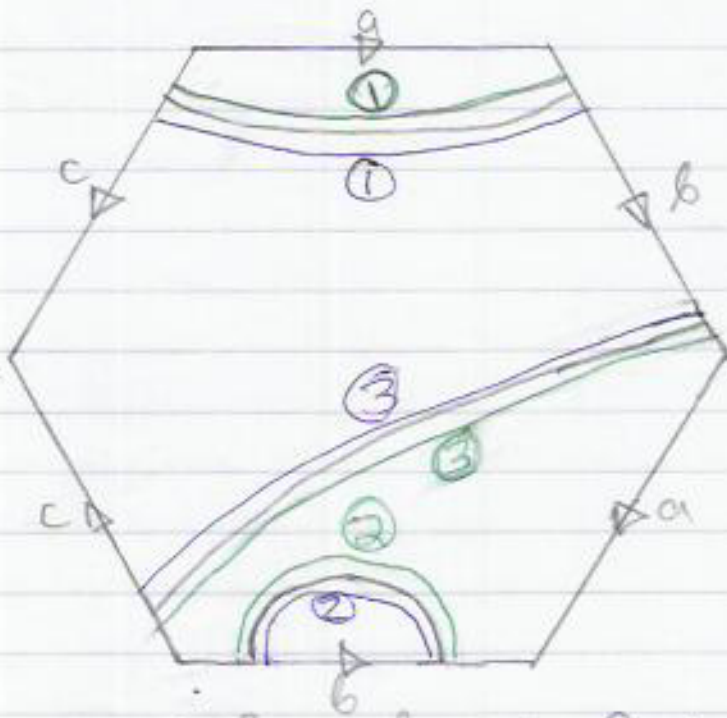
(10)

6) a)



The neighbourhood of the curve has two boundaries hence is topologically equivalent to a cylinder hence orientation preserving.

b)



The neighbourhood of the curve has two boundaries hence is topologically equivalent to a cylinder hence orientation preserving.