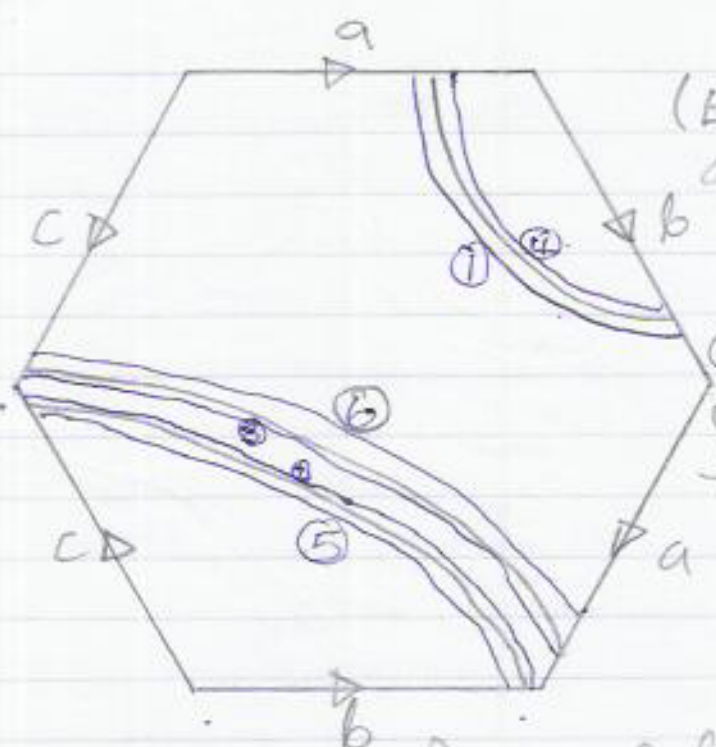


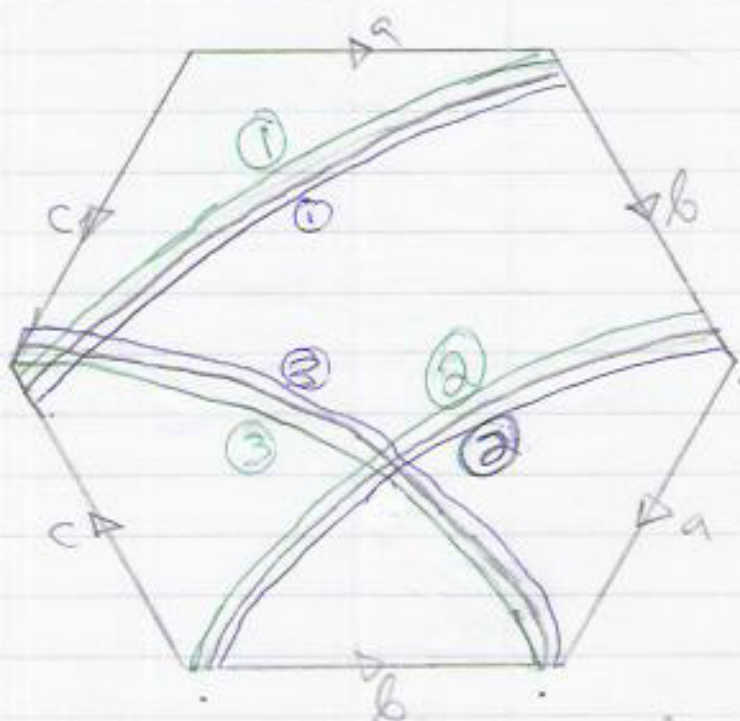
c)



(Each segment of the curve is numbered in sequence: ①, ②, ..., ⑥ all belong to the same curve)

The neighborhood of the curve has only one boundary curve, hence is topologically equivalent to a Möbius band, so  $\gamma$  is orientation reversing.

d)



The neighborhood of the curve has two boundary curves hence is equivalent to a cylinder. The curve  $\gamma$  is orientation preserving.

$\gamma$  ✓