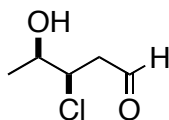
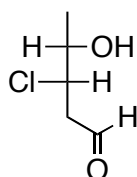


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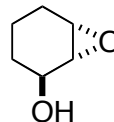
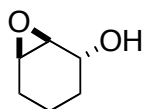
Homework #4

due: 10 a.m. Mon. Oct 2nd

1. (10 points) Label each pair as "diastereomers", "enantiomers", or "same".

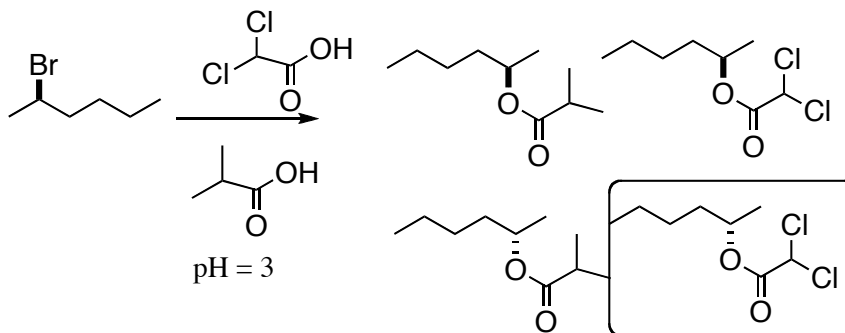


enantiomers



enantiomers

2. (10 points) Which product will be formed? Why?



At pH=3, only the dichloro acid will be ionized, so it is the nucleophile. The reaction proceeds with inversion at the center that has the Br.

3. (10 points) Draw an arrow-pushing mechanism for the following transformation.

