Fall 2007 Homework #4

due: 10 a.m. Mon. Oct 1st

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

2. (10 points) Draw the structure of **B**, and explain why it was formed.

Br F O Br
$$C_{12}H_{21}BrO_2$$
A OH O

$$pH = 10$$

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