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

![Diastereomer and Same Structures](image)

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

![Reaction Structure](image)

Both the acids will be ionized, so the less acidic will make the more nucleophilic carboxylate. The primary bromide is more reactive than is the secondary bromide.

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

![Mechanism Diagram](image)