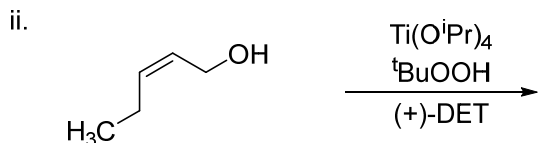
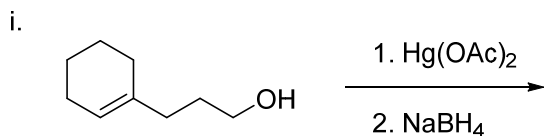
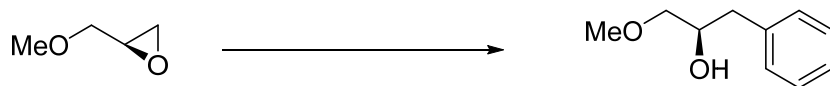


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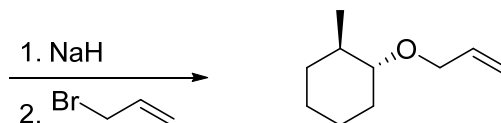
1. Provide the major product for the following reactions. (4 points)



2. Provide the reagents for the following reaction. (1 point)



3. Provide the starting material for the following reaction. (1 point)



4. a. Provide a mechanism for the following reaction.

b. Briefly explain why the indicated stereocenter (\*) undergoes **inversion of configuration** in this reaction. (4 points)