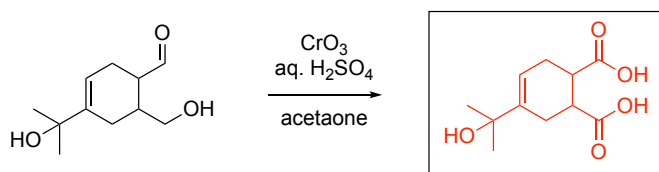
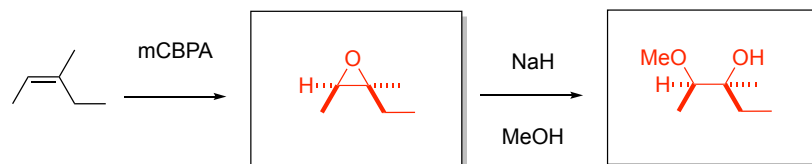
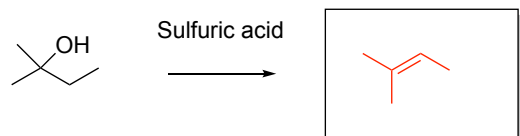
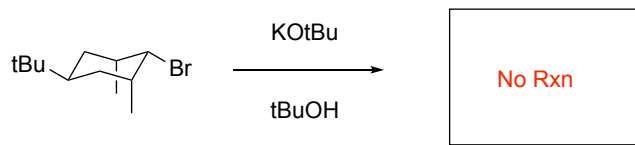
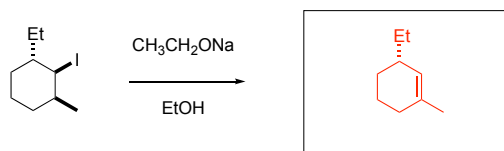
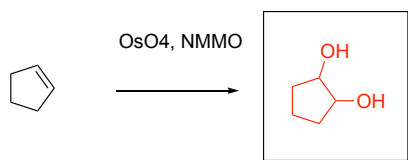
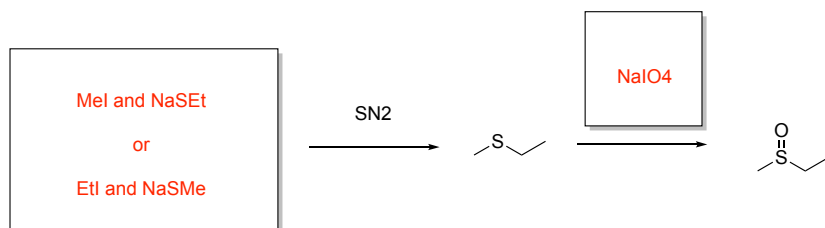
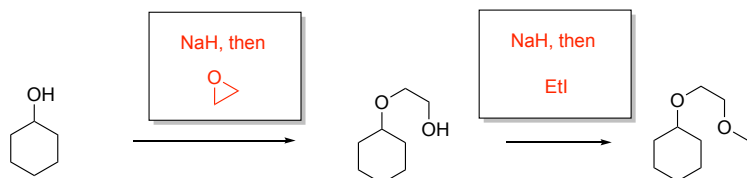
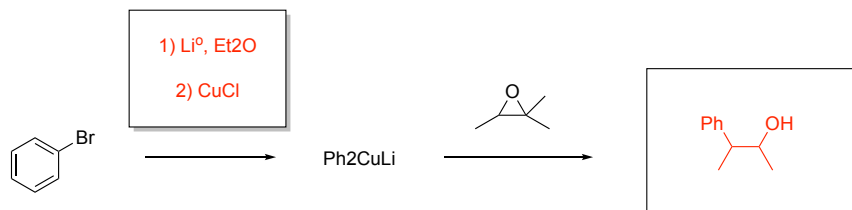


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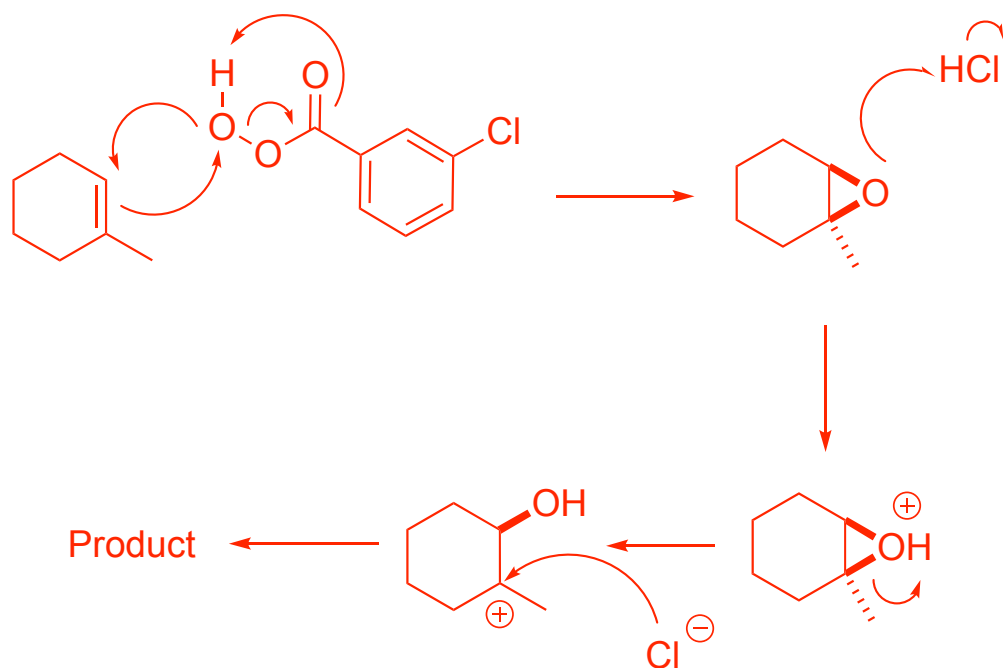
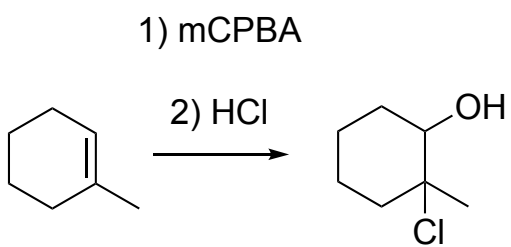
Chemistry 236 Organic Chemistry I – Fall 2023
Midterm #3

1. Indicate the reagents or the major product(s) formed? 4 pts each

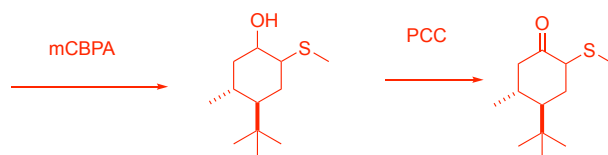
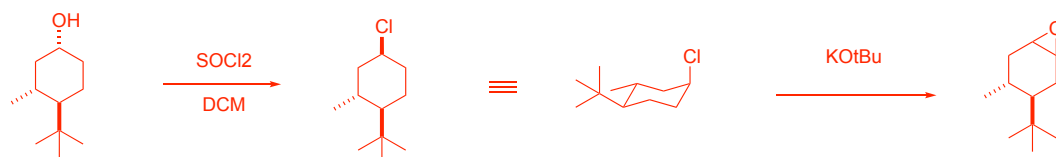
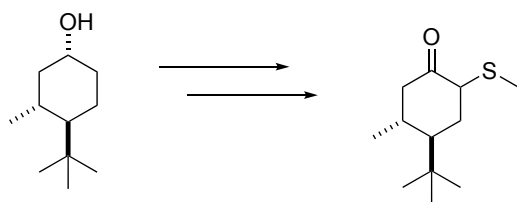




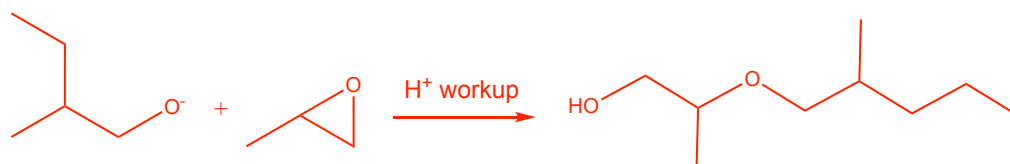
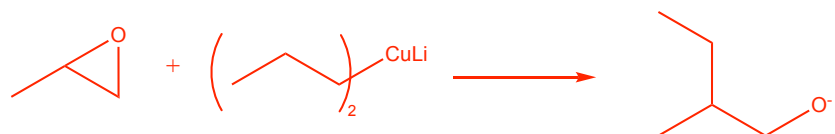
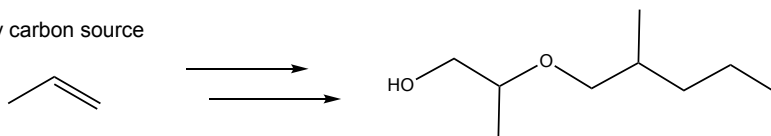
2. Provide the full arrow pushing mechanism for the following reaction. 10 pts

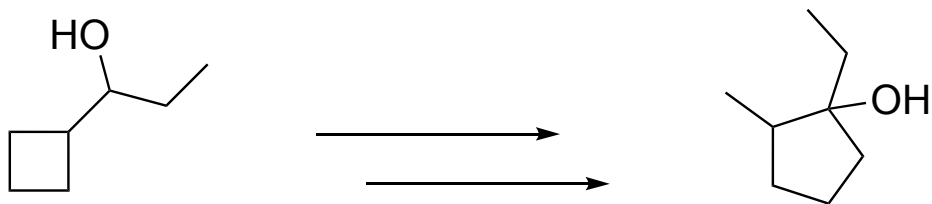


3. Propose a synthetic route to afford the product beginning from the starting material provided. 10 pts each



only carbon source





* See 2023 Practice Midterm Q2