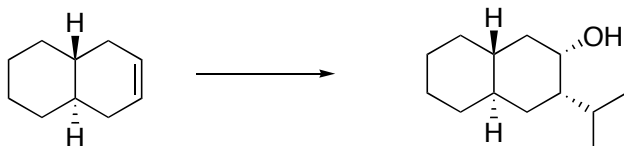
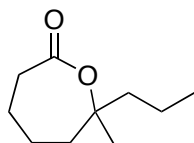


Use extra paper please!

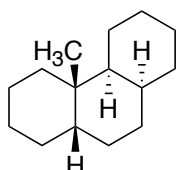
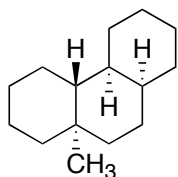
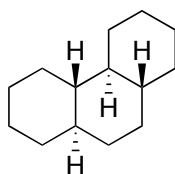
1. Propose a multistep synthesis



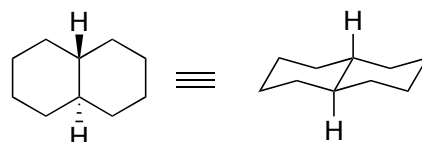
2. Propose a multistep synthesis using any commercial starting materials



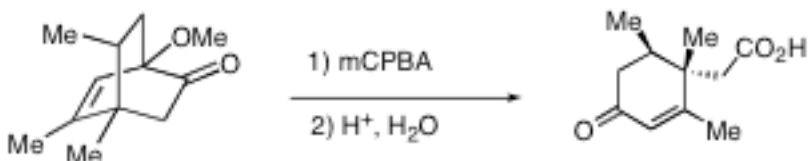
3. Draw 3-D representations



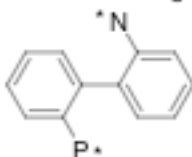
example:



4. Provide a detailed, arrow pushing mechanism



5. Do a substructure search on Beilstein for the following. Draw the first structure that matches the description



* = free site

6. Usual literature assignment for all students not presenting this week