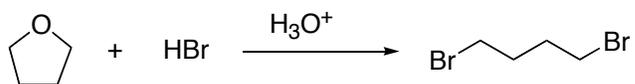
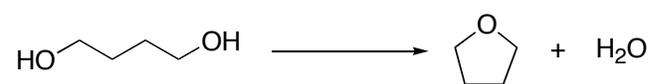


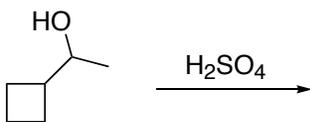
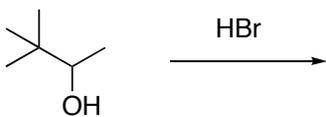
1. Propose a mechanism.



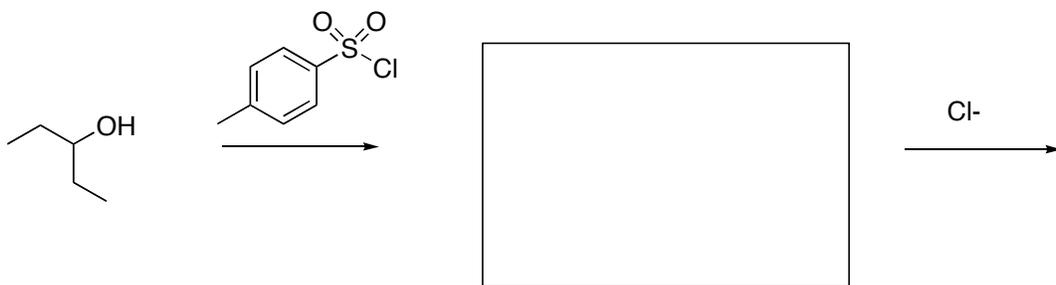
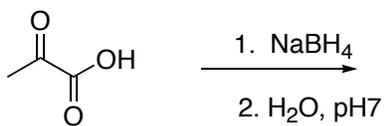
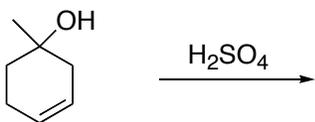
2. Propose a mechanism.



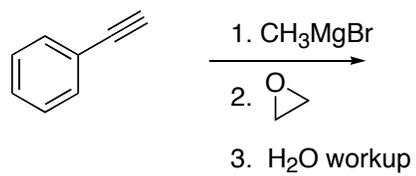
3. Give the major product of the following reactions.



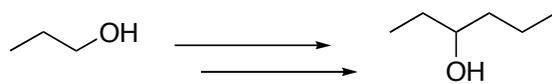
4. Give the major product of the following reactions.



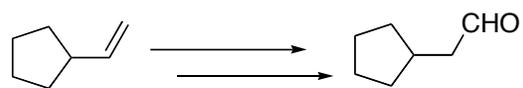
5. Give the major product of the following reaction.



6. Outline a multistep synthesis for the following transformation.



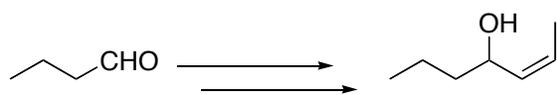
7. Outline a multistep synthesis for the following transformation.



8. Outline a multistep synthesis for the following transformation.



9. Outline a multistep synthesis for the following transformation.



10. Outline a multistep synthesis for the following transformation.

