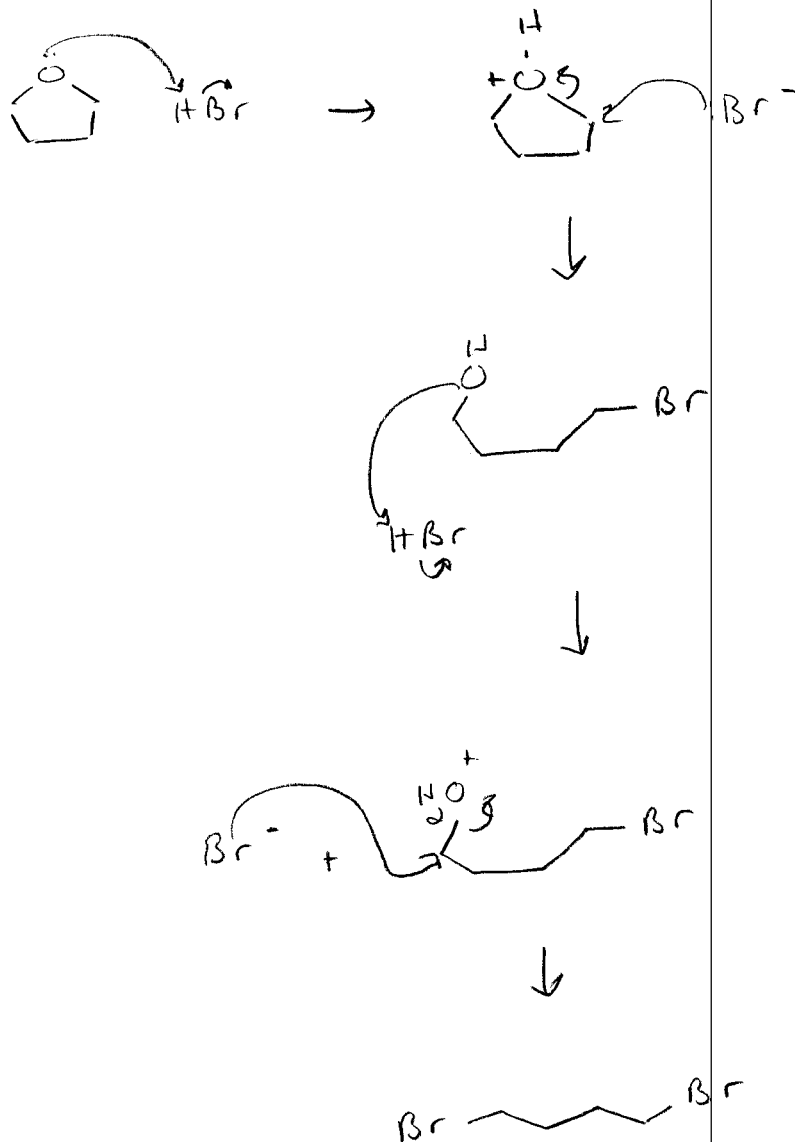
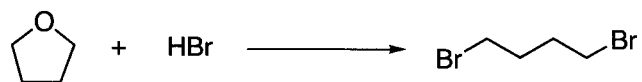
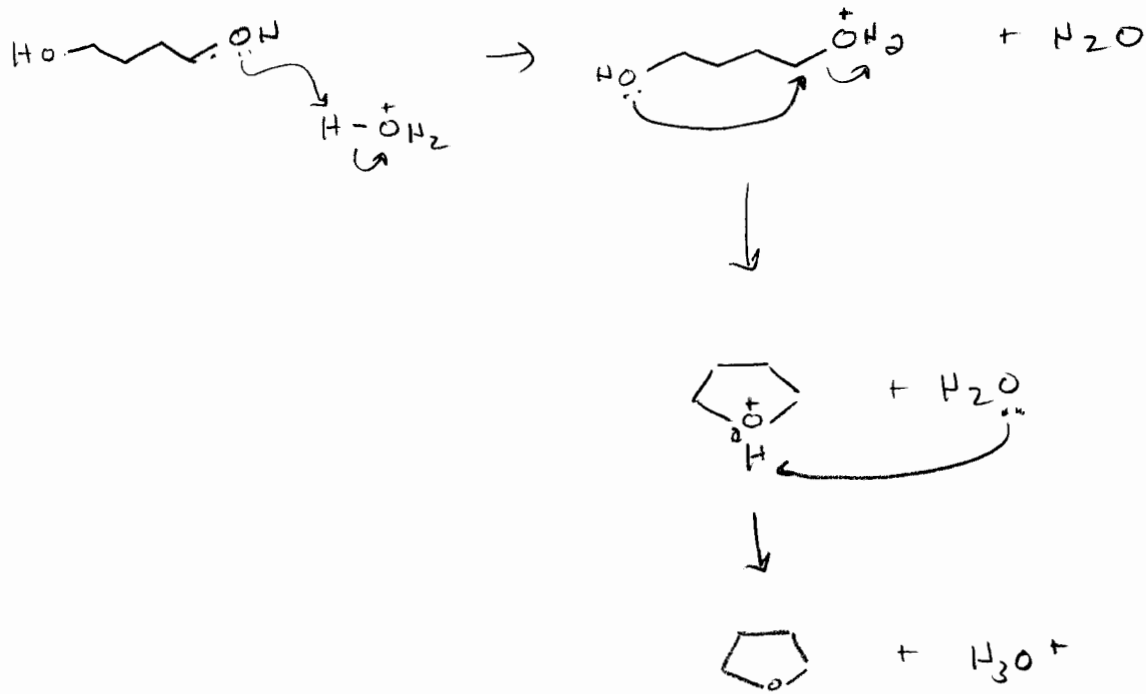
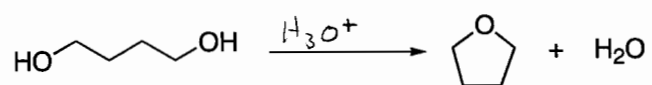


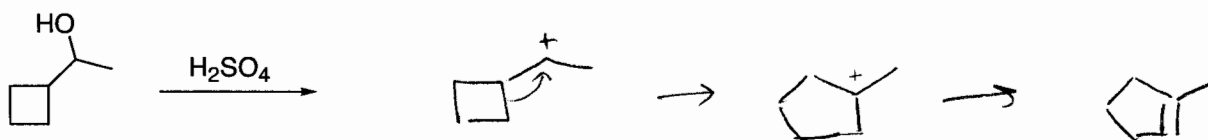
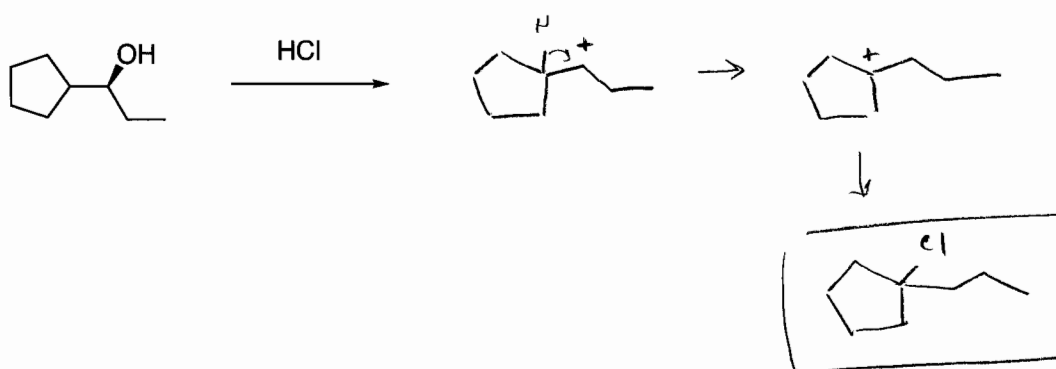
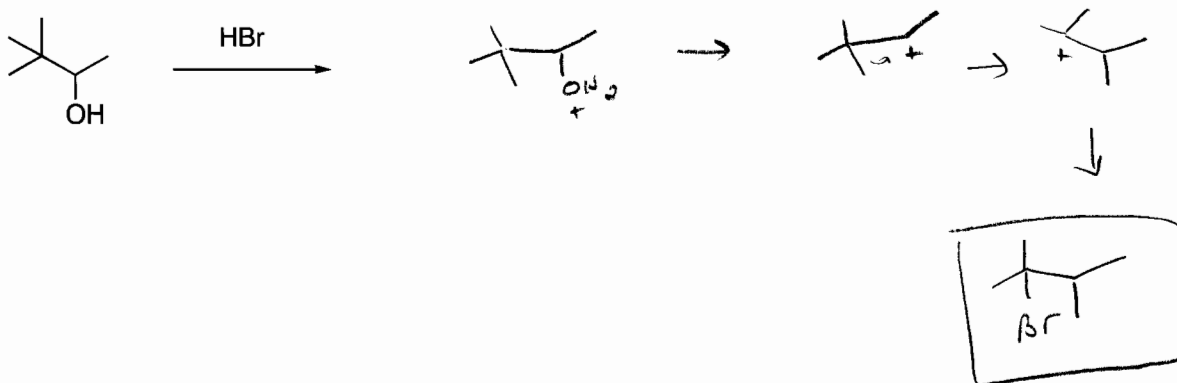
1. Propose a mechanism.



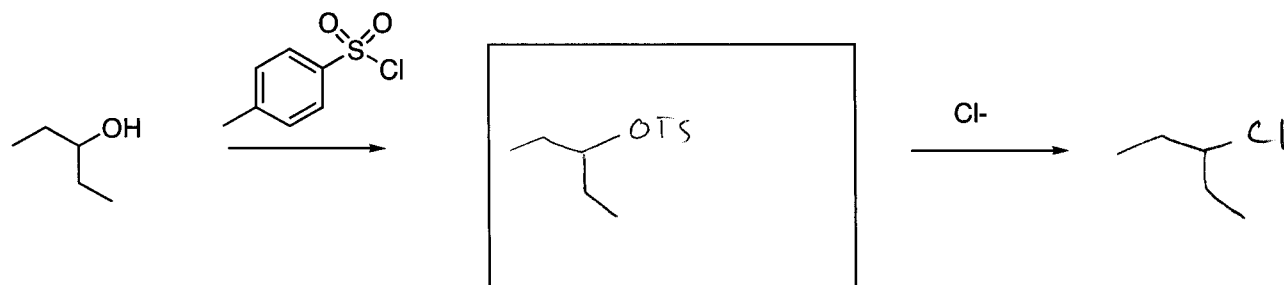
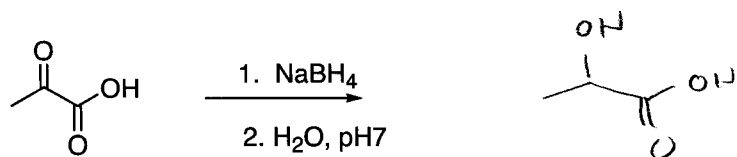
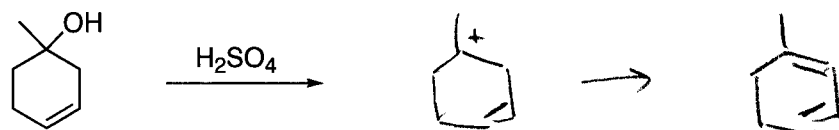
2. Propose a mechanism.



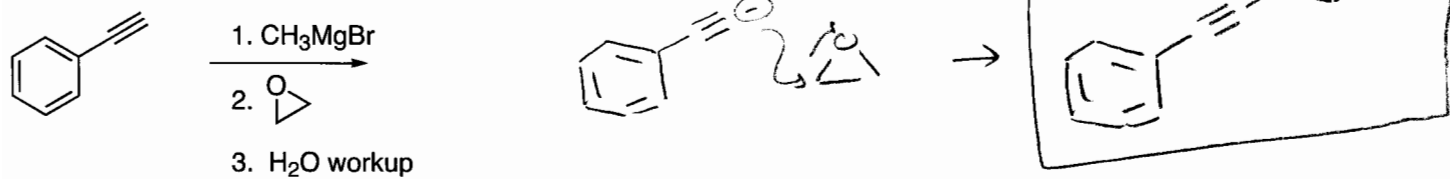
3. Give the major product of the following reactions.



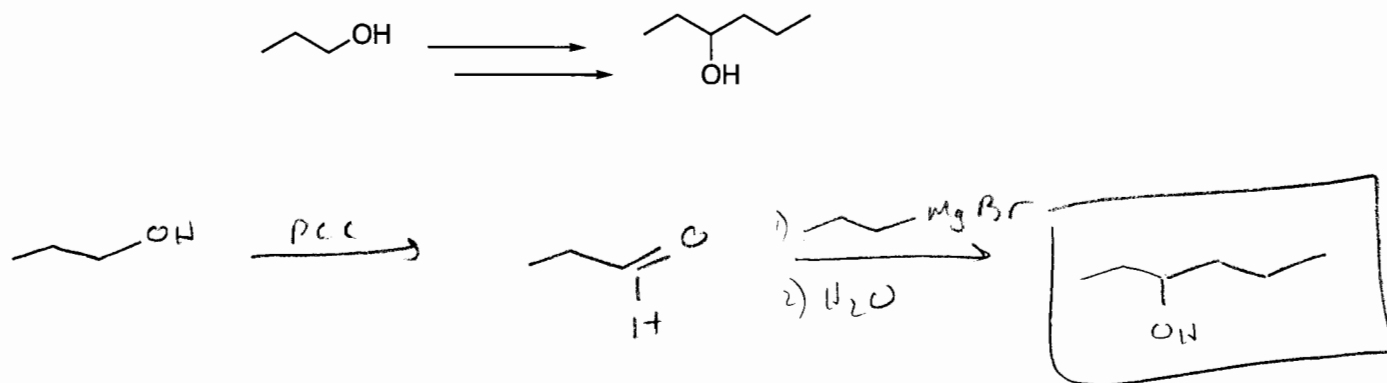
4. Give the major product of the following reactions.



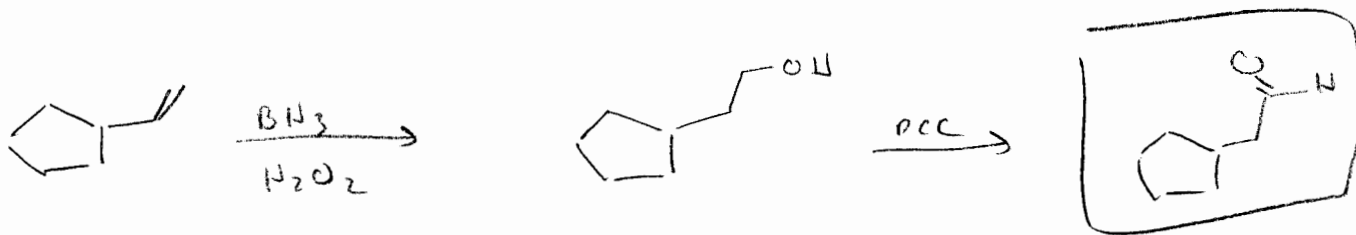
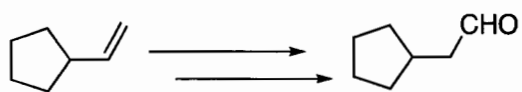
5. Give the major product of the following reaction.



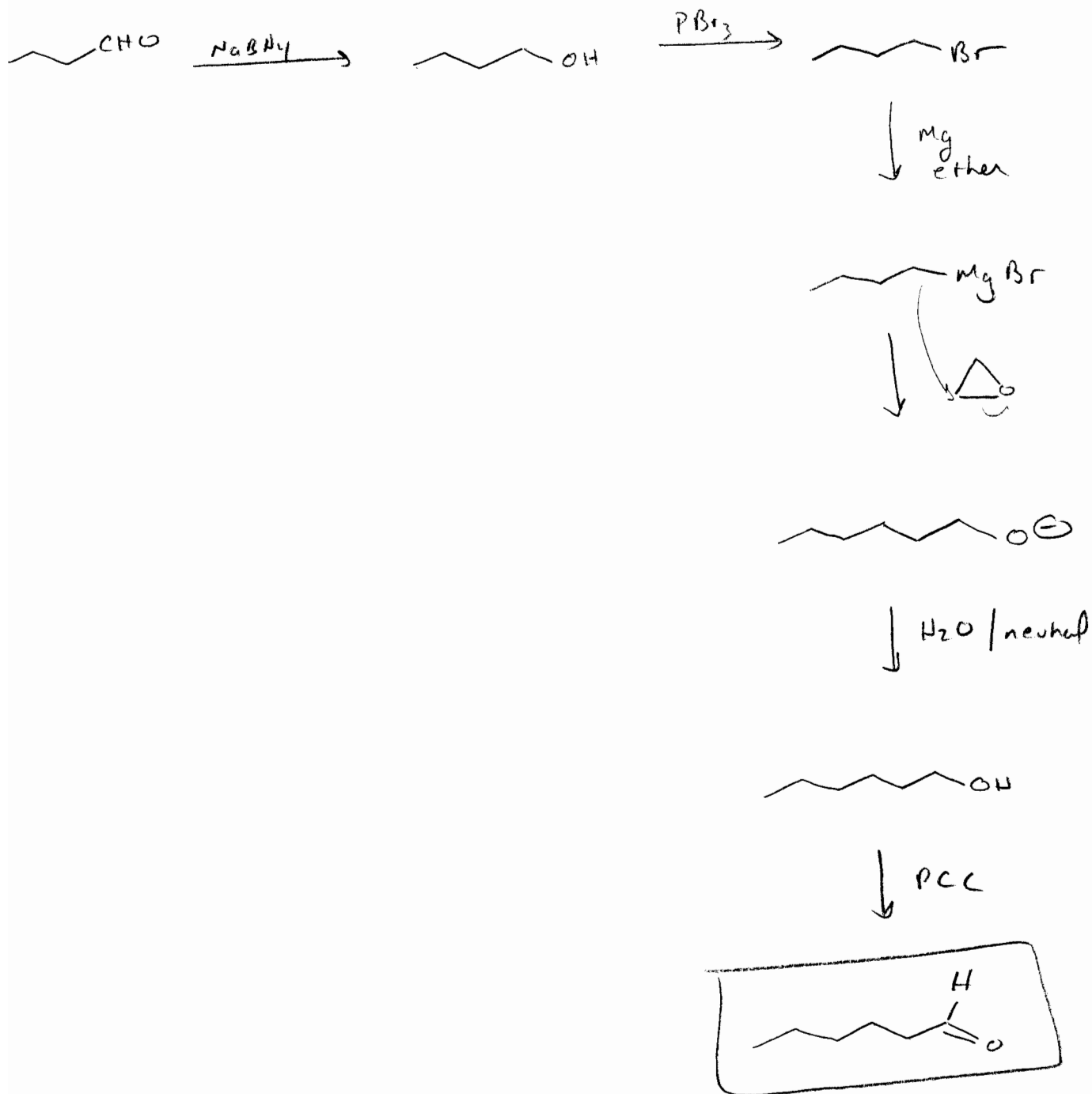
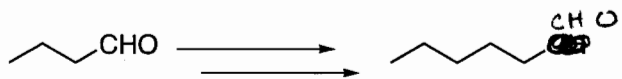
6. Outline a multistep synthesis for the following transformation.



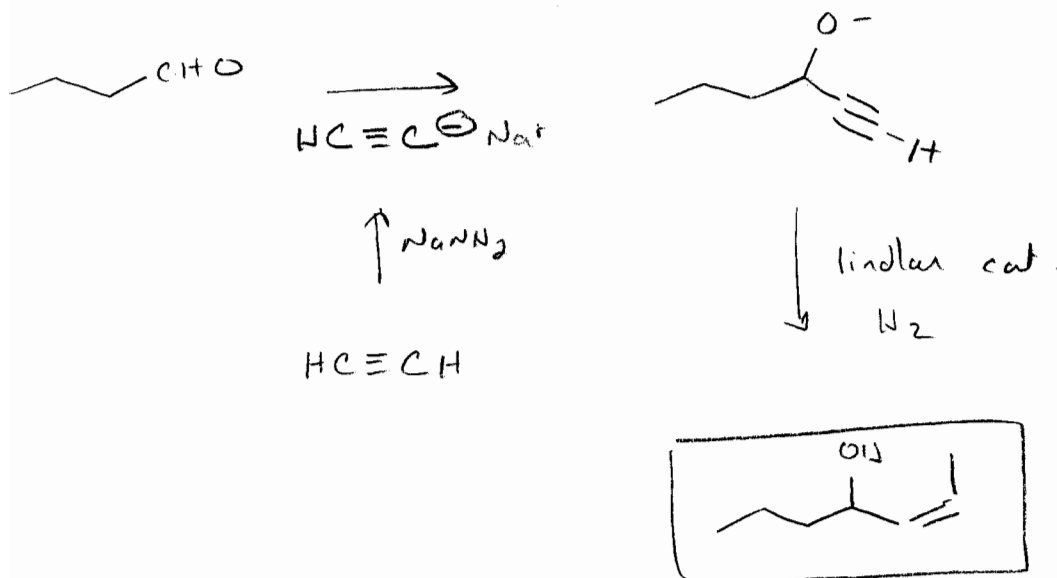
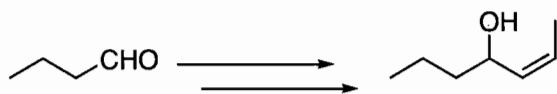
7. Outline a multistep synthesis for the following transformation.



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.

