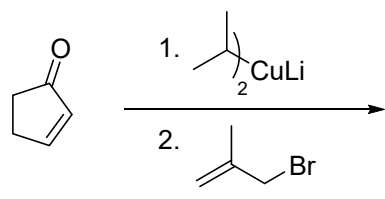
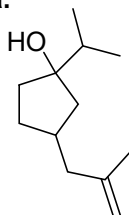


Name: \_\_\_\_\_

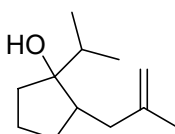
1. Circle the product for the following reactions. (2 points)



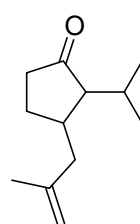
a.



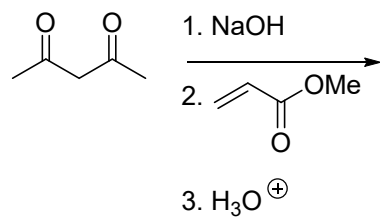
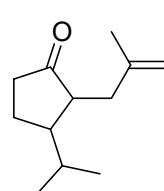
b.



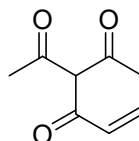
c.



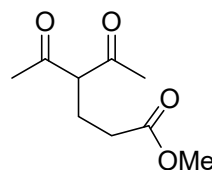
d.



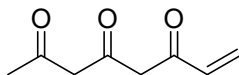
a.



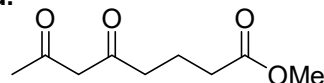
b.



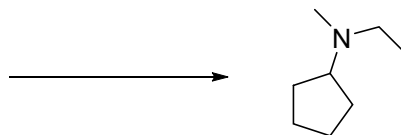
c.



d.



2. Provide starting materials and reagents to yield the following amine using reductive amination. (12 points)



3. Provide a mechanism to account for the following reaction. (6 points)

