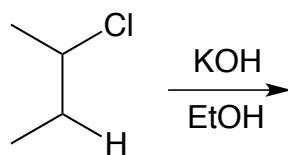


CHM 31 – Bronx Community College  
Spring 2015  
Professor Socha  
Quiz 5: Chapter 8, 9 & 10

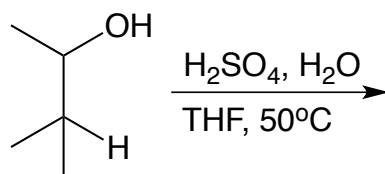
Name: \_\_\_\_\_

**Part I.** Provide *all products* of the following reactions. Be mindful of regiochemistry and indicate stereochemistry when appropriate (5 points each):

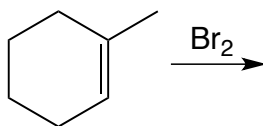
1.



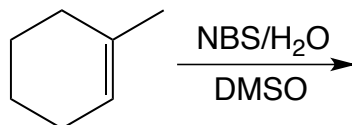
2.



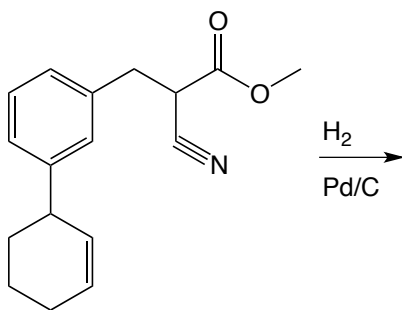
3.



4.

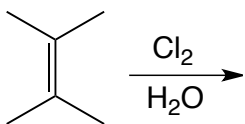


5.

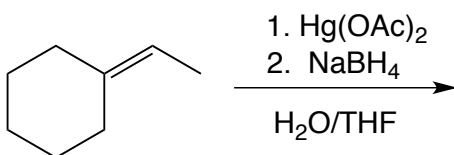


**Part II.** Provide a *mechanism* for the following reactions and indicate stereochemistry, *including any isomeric products*, when appropriate (10 points each):

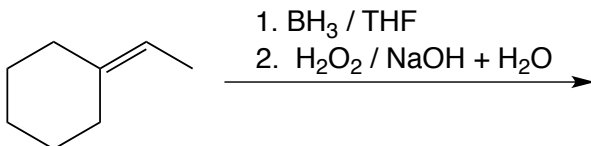
6.



7.

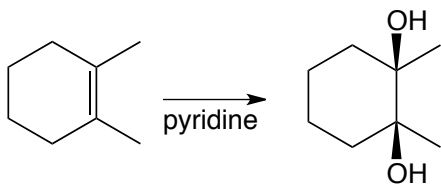


8.

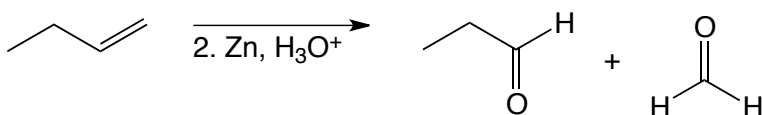


**Part III.** Provide the *reagents* required for the following transformations. Be mindful of product isomers when appropriate. (5 points each).

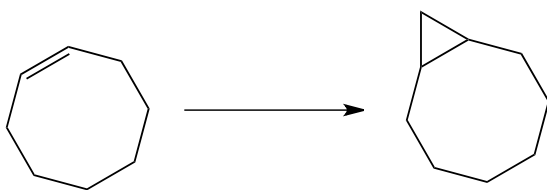
9.



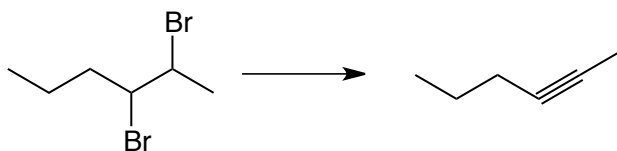
10.



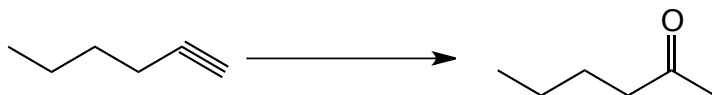
11.



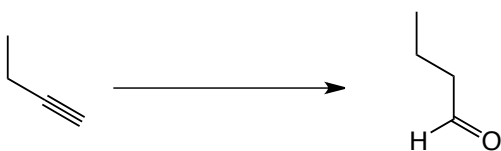
12.



13.

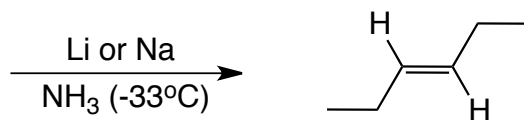


14.

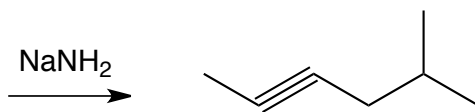


**Part IV.** Provide the *starting materials* required for the following transformations (5 points each):

15.



16.



17.

