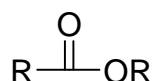
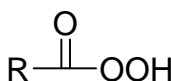
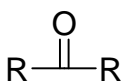
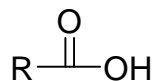
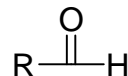
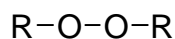
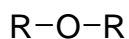
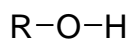


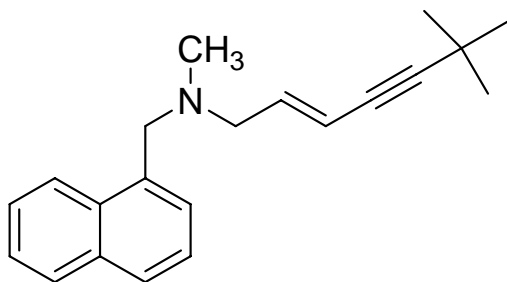
Name _____

If you do not want your graded quiz placed in the box outside my office, then please tick here _____

1) Identify the following functional groups. (16pts)



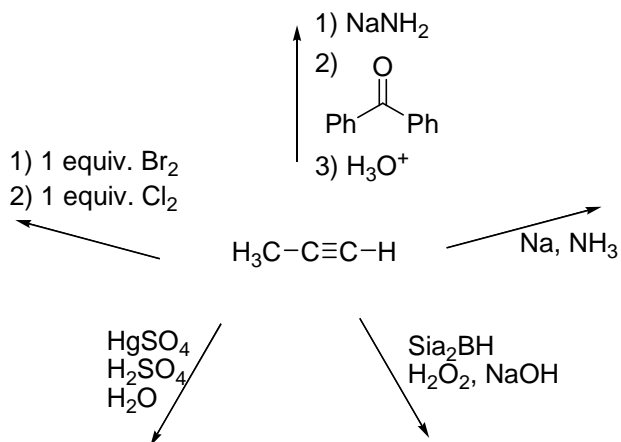
2) The following antifungal treatment has made Novartis millions of dollars. (10pts)



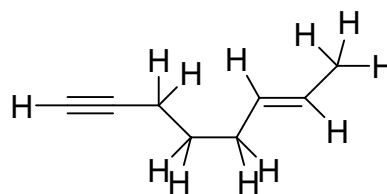
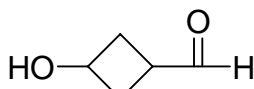
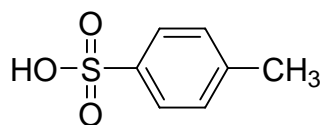
- how many carbons are in this molecule ?
- how many sp hybridized carbons ?
- how many sp^2 hybridized carbons ?
- how many π bonds ?
- circle the location of the most reactive π bond.

NAME THIS MEDICINE FOR 2 BONUS POINTS.

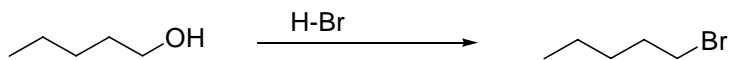
3) Give the products (if any) formed in the following reactions: (15pts)



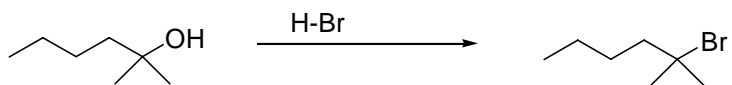
4) Circle the most acidic Hydrogen in each of these three molecules. (6pts)



5) Draw curly arrows to show the mechanism of the following reaction. (8pts)

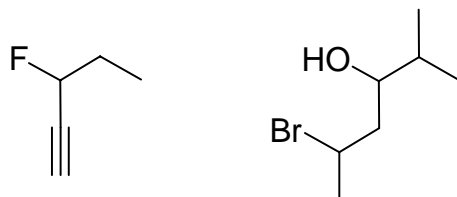


6) Draw curly arrows to show the mechanism of the following reaction. (8pts)

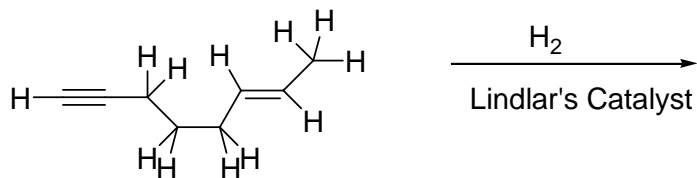
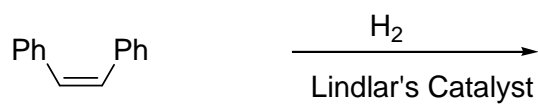
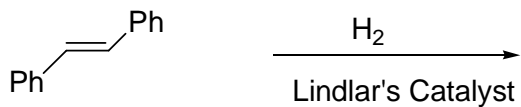
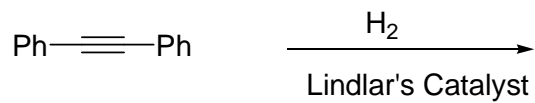


-----Note that one of these is S_N1 and the other is S_N2 -----

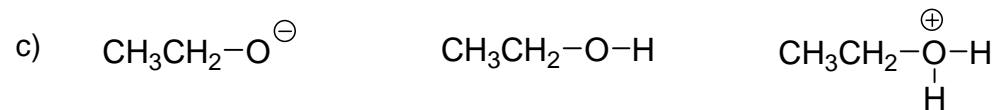
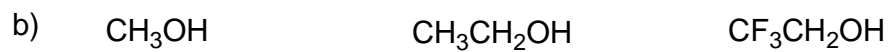
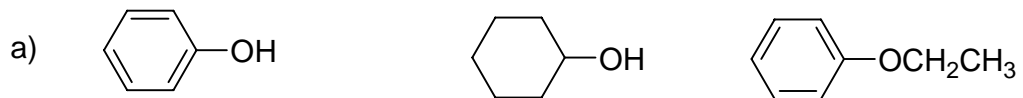
7) Name (in IUPAC form) the following two compounds. (8pts)



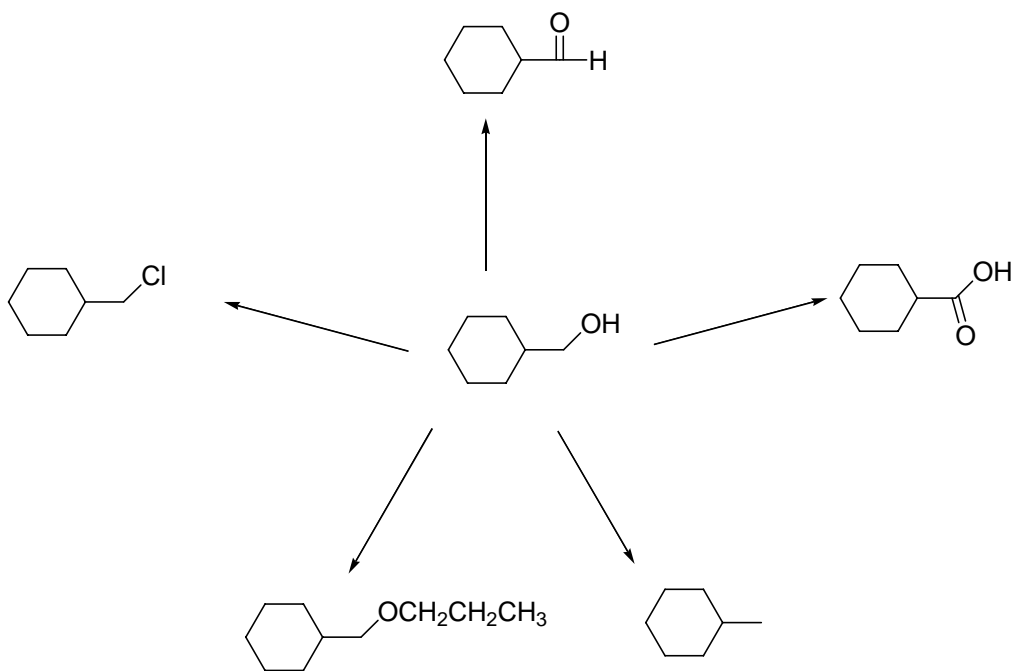
8) Provide the products (if any) in the following reactions. (8pts)



9) Circle the **strongest** acid of each threesome: (6pts)



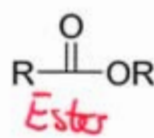
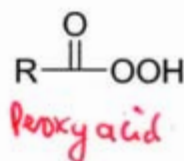
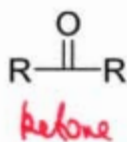
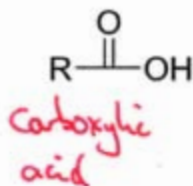
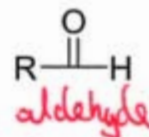
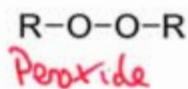
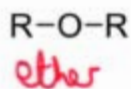
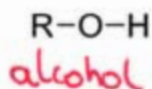
10) Provide reagents to accomplish the following transformations. (15pts)



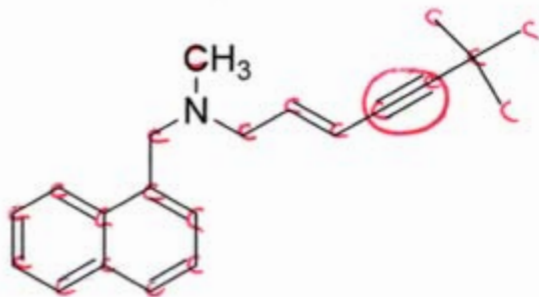
Name AUNT E. FUNG ALCREME

If you do not want your graded quiz placed in the box outside my office, then please tick here _____

1) Identify the following functional groups. (16pts)



2) The following antifungal treatment has made Novartis millions of dollars. (10pts)



a) how many carbons are in this molecule? 21

b) how many sp hybridized carbons? 2

c) how many sp² hybridized carbons? 12

d) how many π bonds? 8

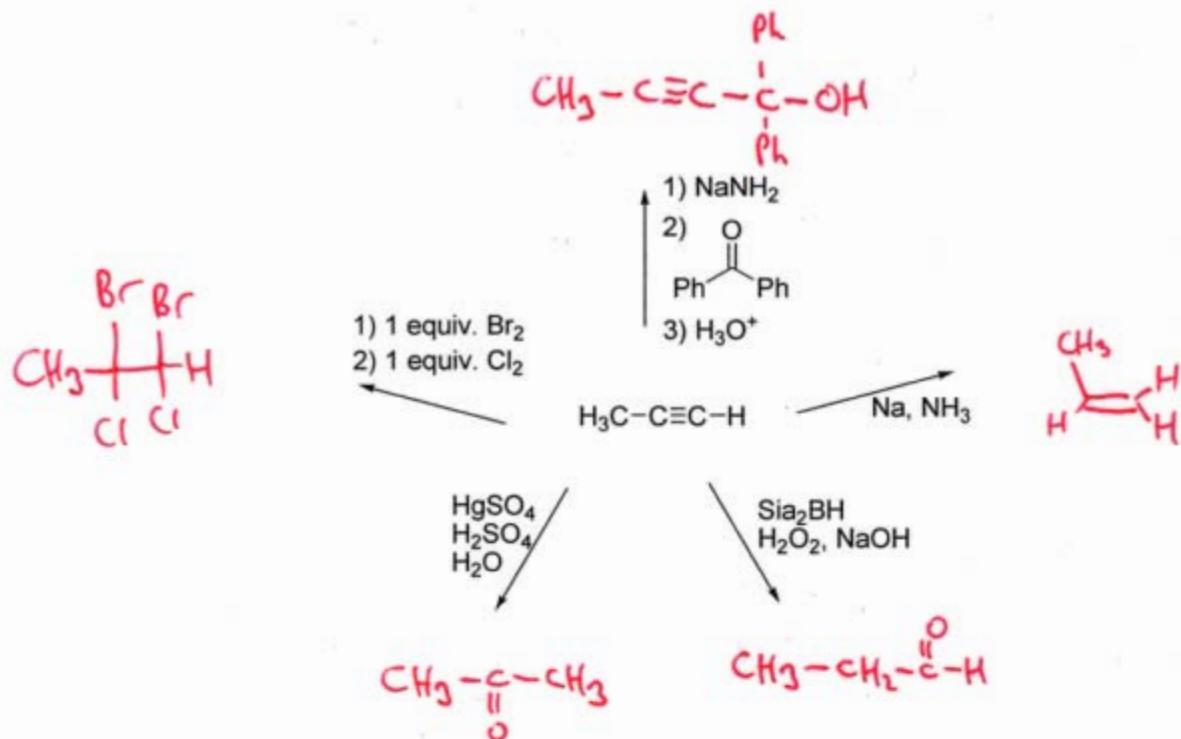
e) circle the location of the most reactive π bond.

✓

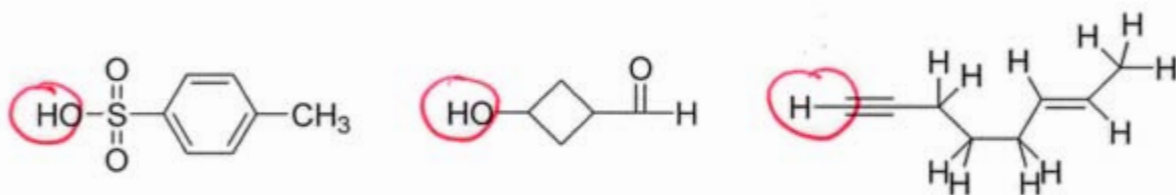
NAME THIS MEDICINE FOR 2 BONUS POINTS.

LAMISIL

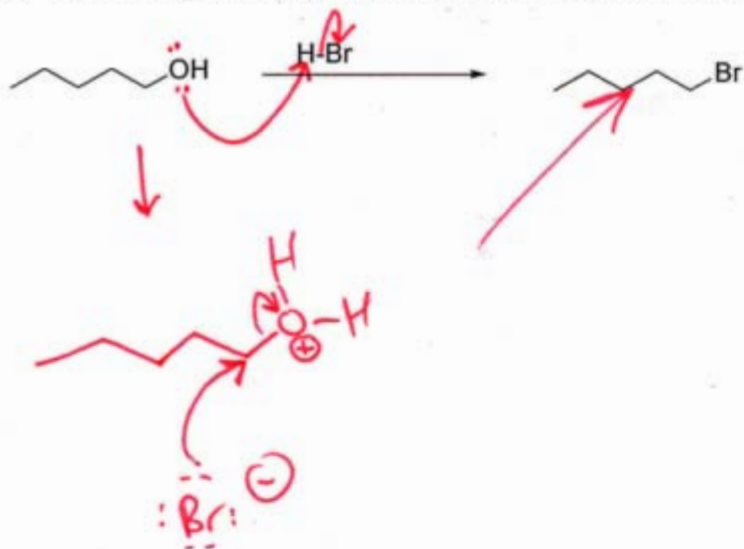
3) Give the products (if any) formed in the following reactions: (15pts)



4) Circle the most acidic Hydrogen in each of these three molecules. (6pts)

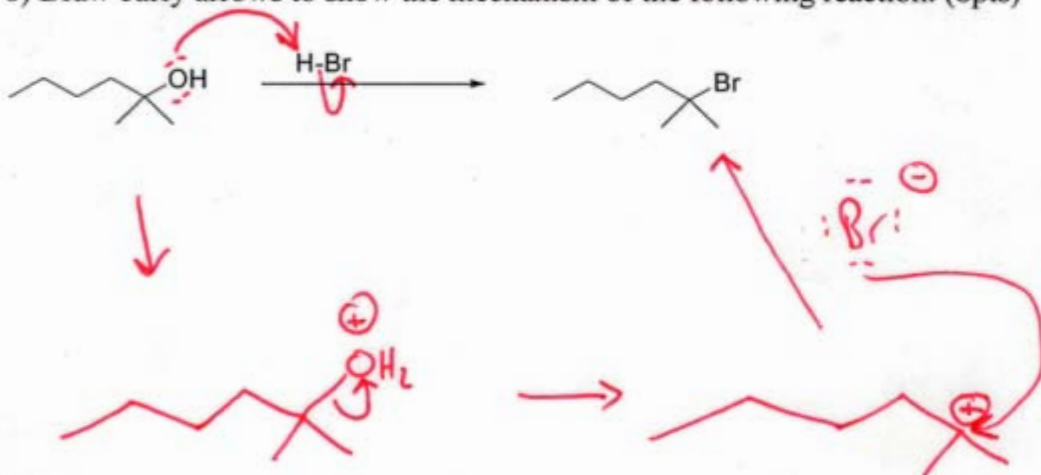


5) Draw curly arrows to show the mechanism of the following reaction. (8pts)



S_N2

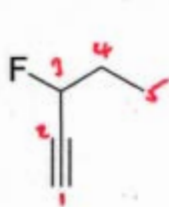
6) Draw curly arrows to show the mechanism of the following reaction. (8pts)



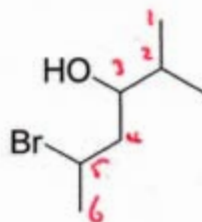
S_N1

-----Note that one of these is *S_N1* and the other is *S_N2*-----

7) Name (in IUPAC form) the following two compounds. (8pts)

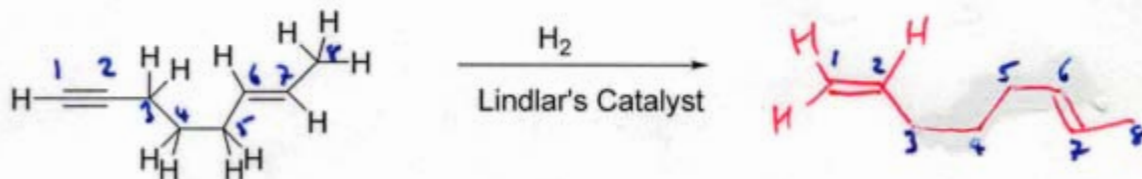
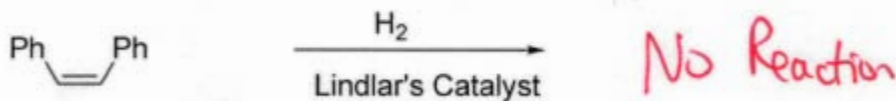
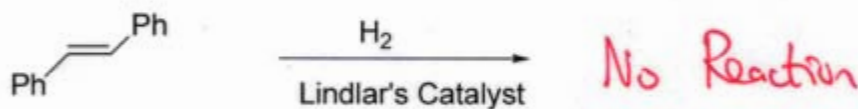
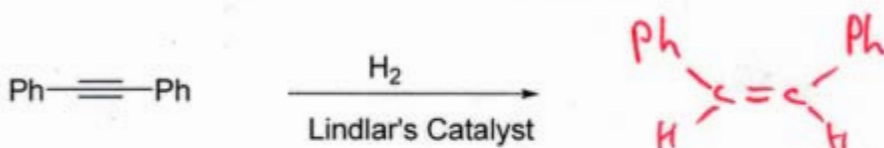


3-FLUORO-1-PENTYNE

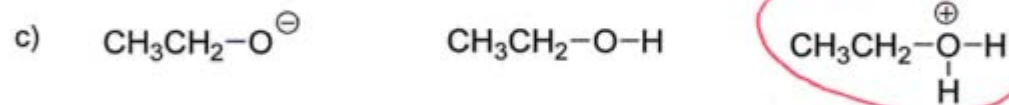
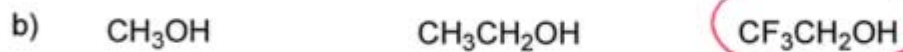
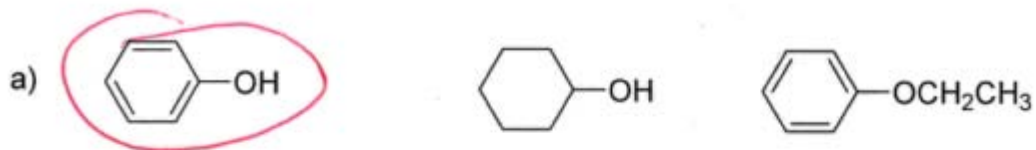


5-BROMO-2-METHYL-3-HEXANOL

8) Provide the products (if any) in the following reactions. (8pts)



9) Circle the **strongest** acid of each threesome: (6pts)



10) Provide reagents to accomplish the following transformations. (15pts)

