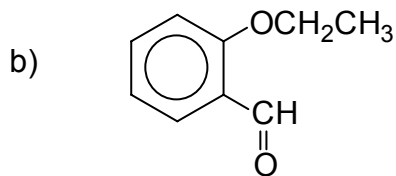
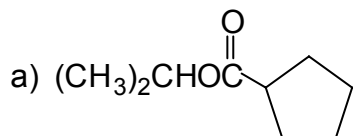


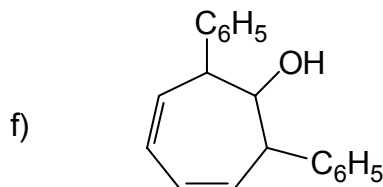
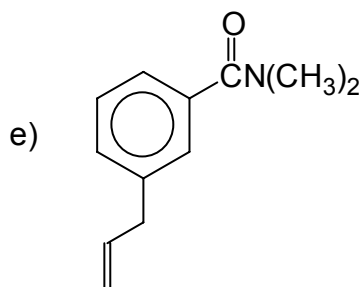
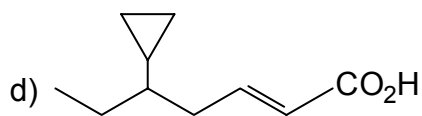
CHEM 201

Some practice

1.(30) Name or draw the following compounds where appropriate. Be sure to pay attention to **stereochemistry**.

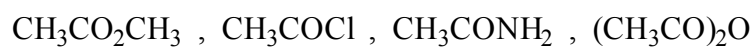


c) isopropyl vinyl ether

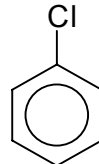
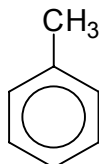
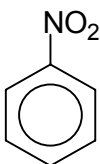
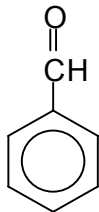


4.(15) Arrange the following in order of increasing (1=least or lowest or slowest..)

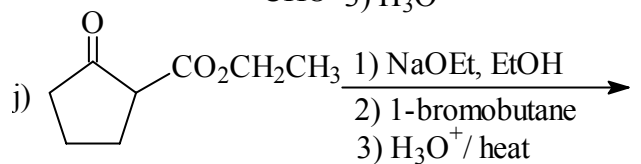
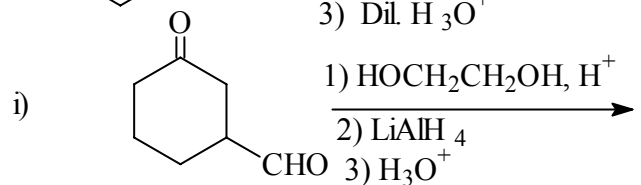
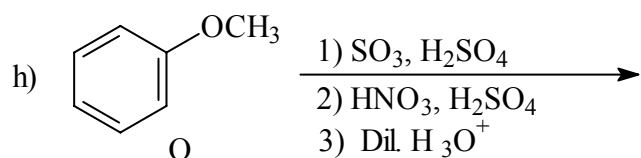
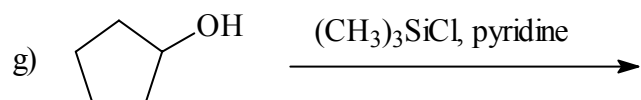
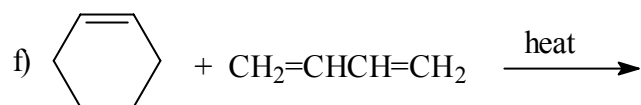
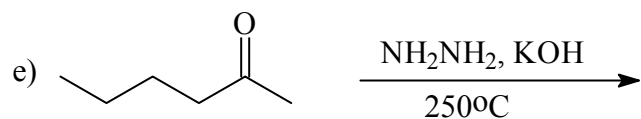
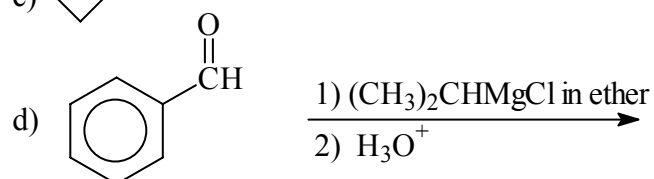
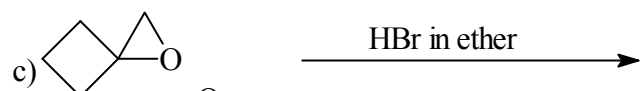
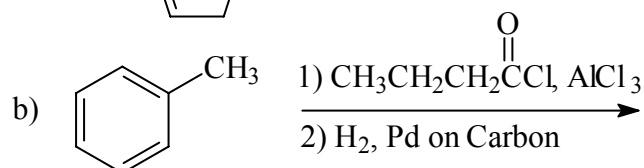
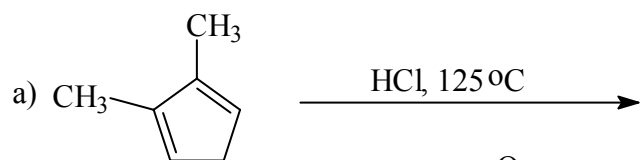
a) rate of hydrolysis in H_3O^+ :



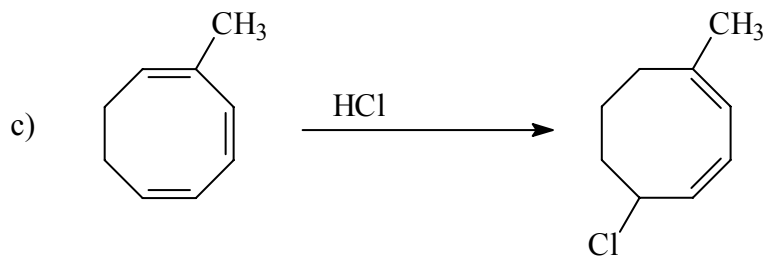
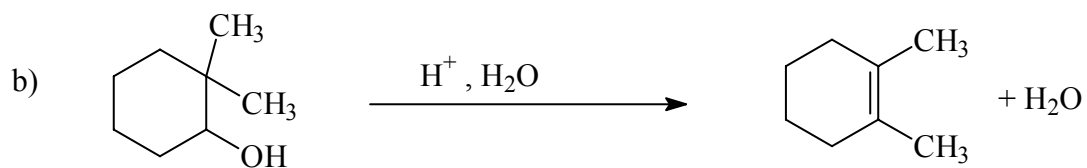
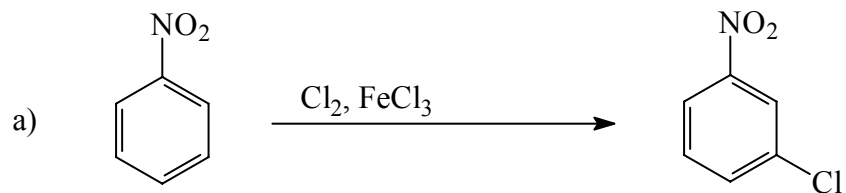
b) reactivity toward electrophilic aromatic substitution:



5.(50) Give the major products for the following reactions:



8.(30) Give reasonable mechanisms for the following reactions. Use only the reagents provided and show all intermediates.



9.(30) Give the reagents necessary to carry out the following transformations:

