

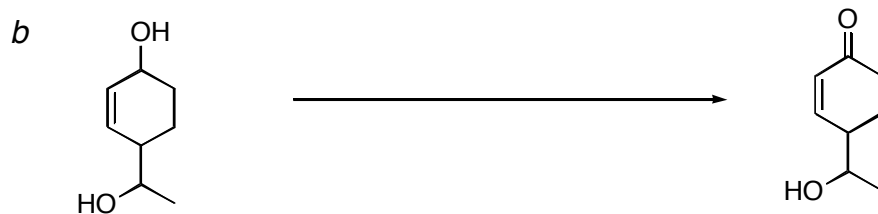
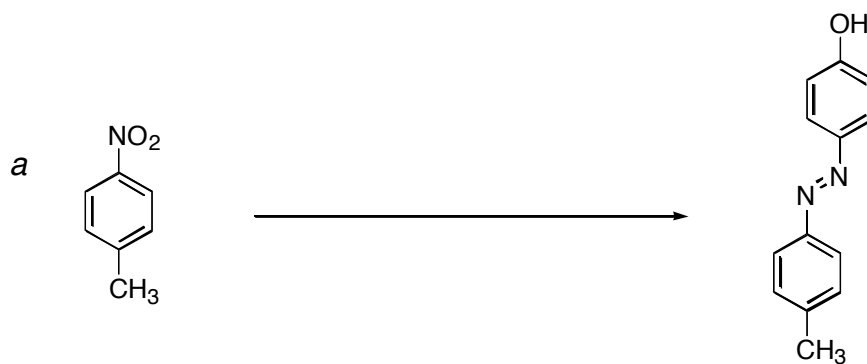
Chem 332
Exam 3
May 5, 2006
Prof Fox
50 minutes
100 points

Show your work in detail

Write your name on every page

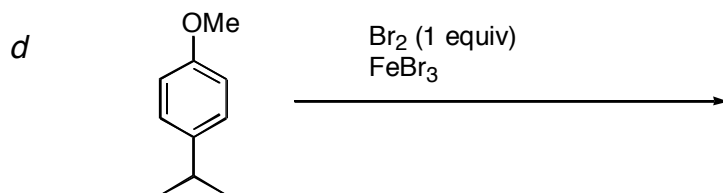
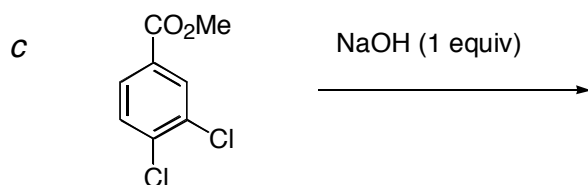
Name_____

1. Provide reagents. More than one step may be required (5 points each)
Mechanisms are not needed.

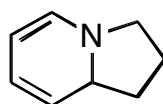
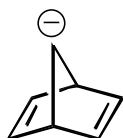
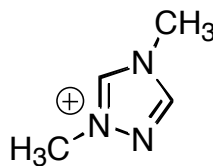
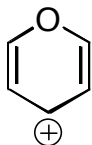
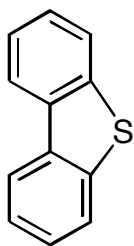


1. Provide the products of the following transformations.
Mechanisms are not needed.

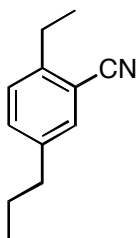
(5 points each)



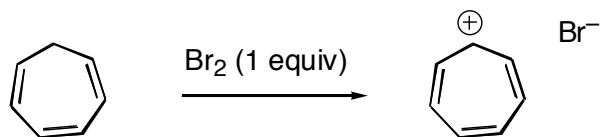
2. Circle the compounds that are aromatic (5 points for each correct answer)



3. Provide a synthesis using benzene and any other materials that contain 3 carbons or less. (30 points)



4. Provide a detailed arrow pushing mechanism (25 points)



Scratch paper

Scratch paper

Scratch paper