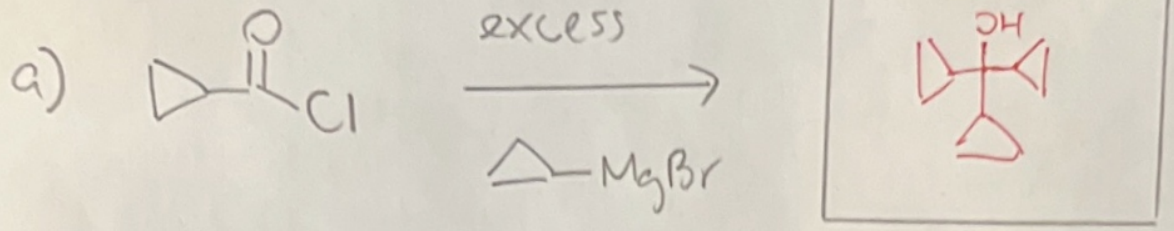
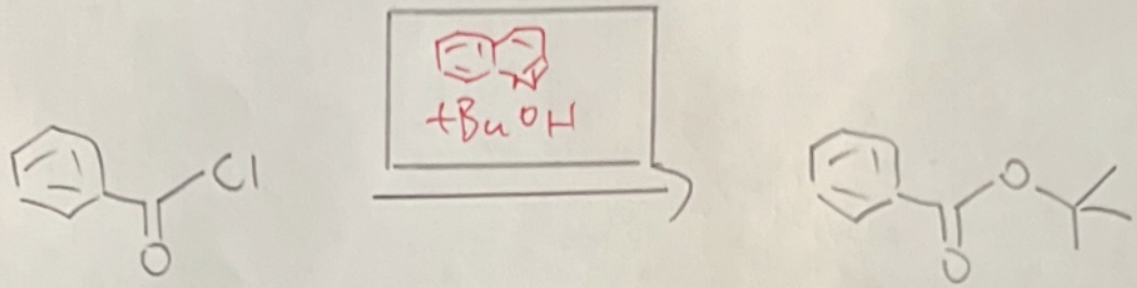
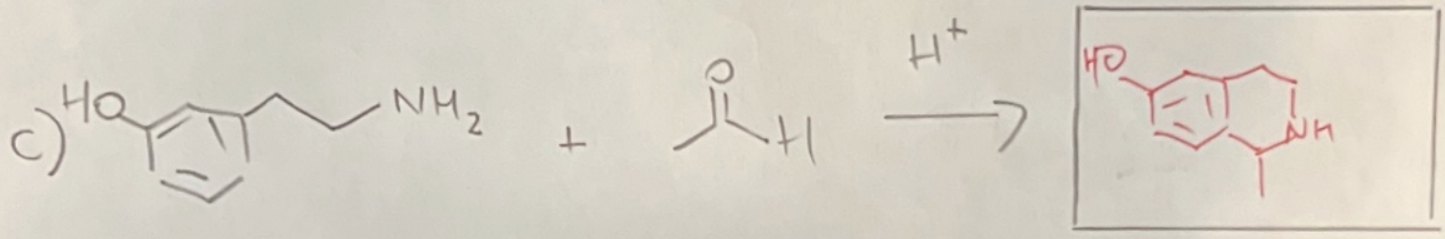
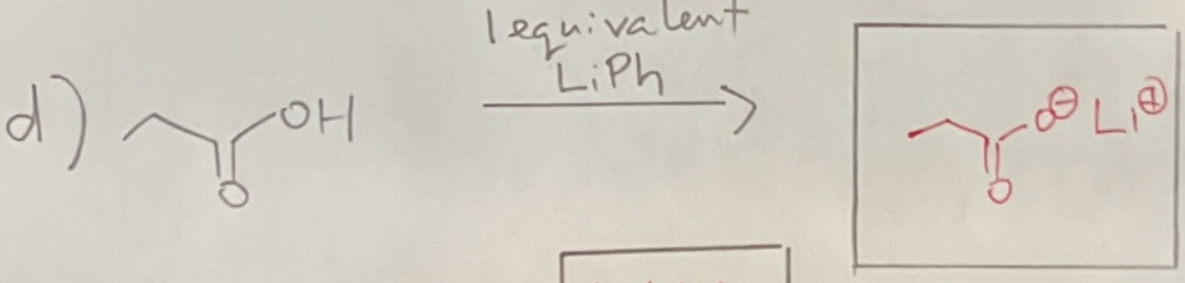
Chem 436 - Spring 2023
Practice Midterm #2

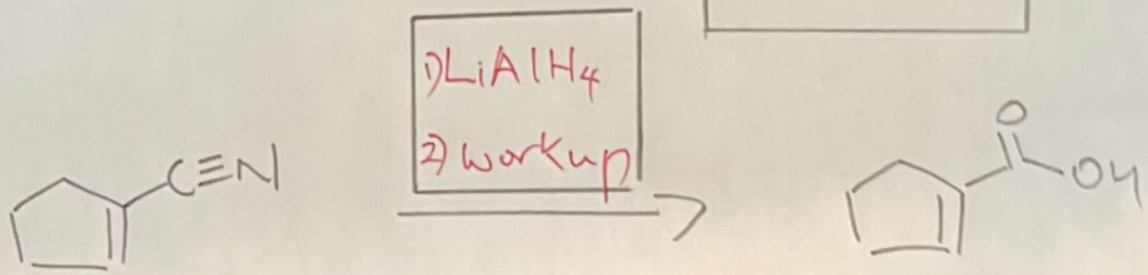
1) Fill in the blanks with reagents or the major product. 4pt each (48 total)

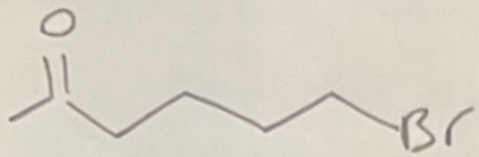
a) 

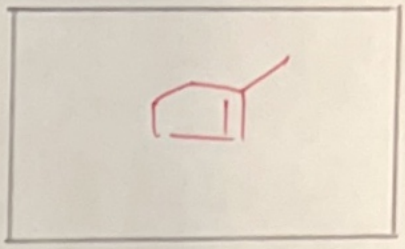
b) 

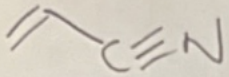
c) 

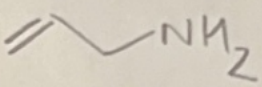
d) 

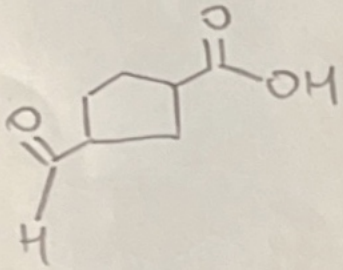
e) 

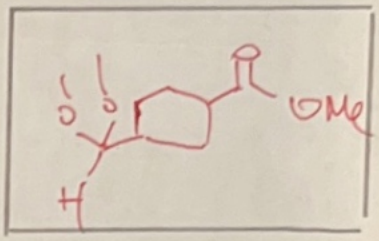
f) 

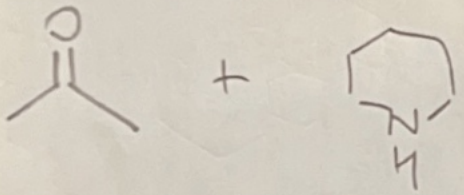
1) PPh_3
2) nBuLi


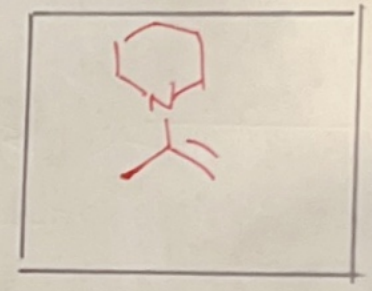
g) 

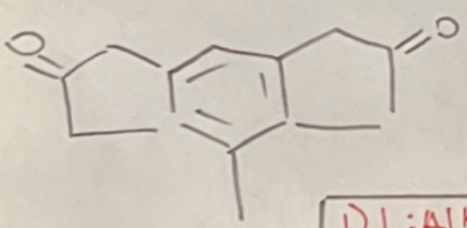
$LiAlH_4$


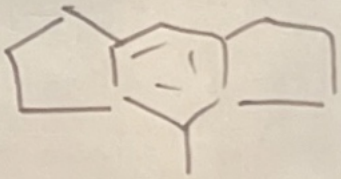
h) 

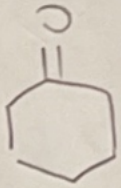
MeOH
H^+


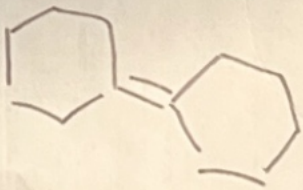
i) 



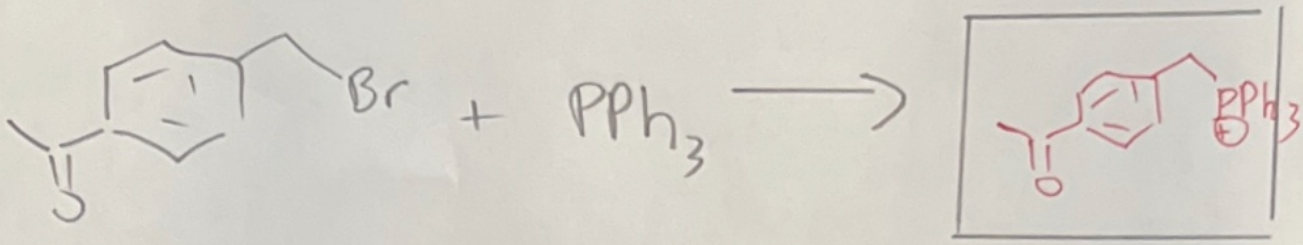
j) 

H_2NNH_2
KOH


k) 

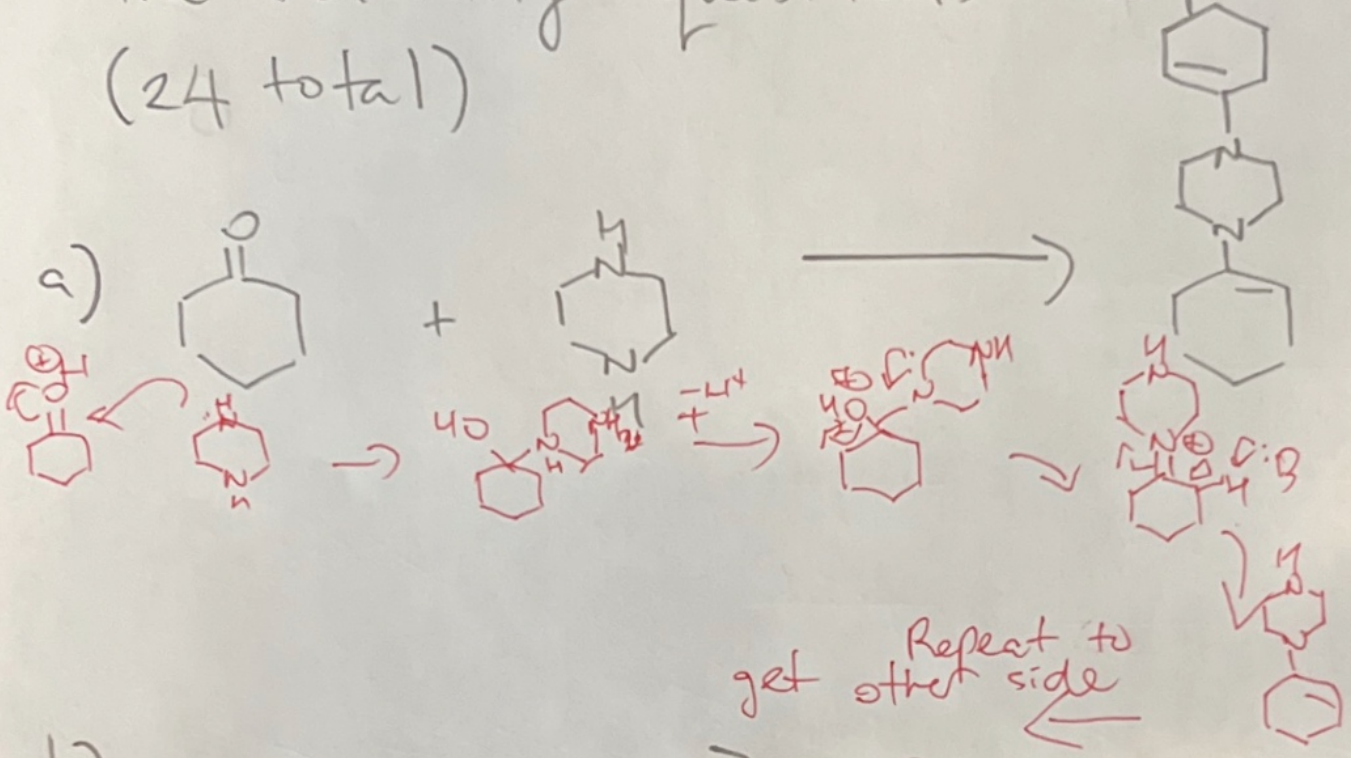
1) $LiAlH_4$
2) PPh_3, then base
"Wittig Rxn"


1)

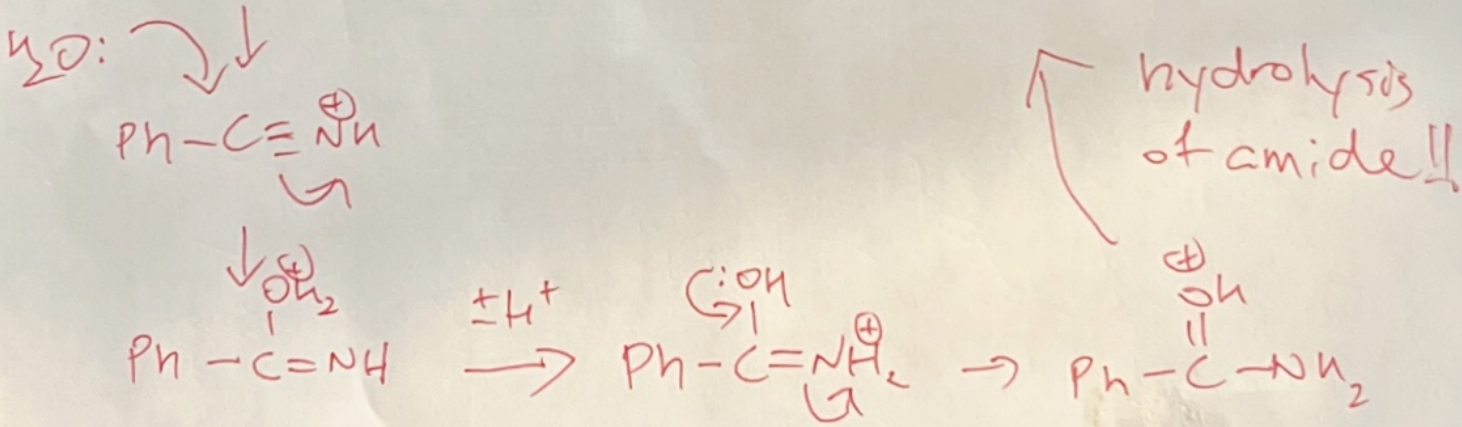


2) Draw the complete mechanism for the following questions. 12 pt each (24 total)

a)

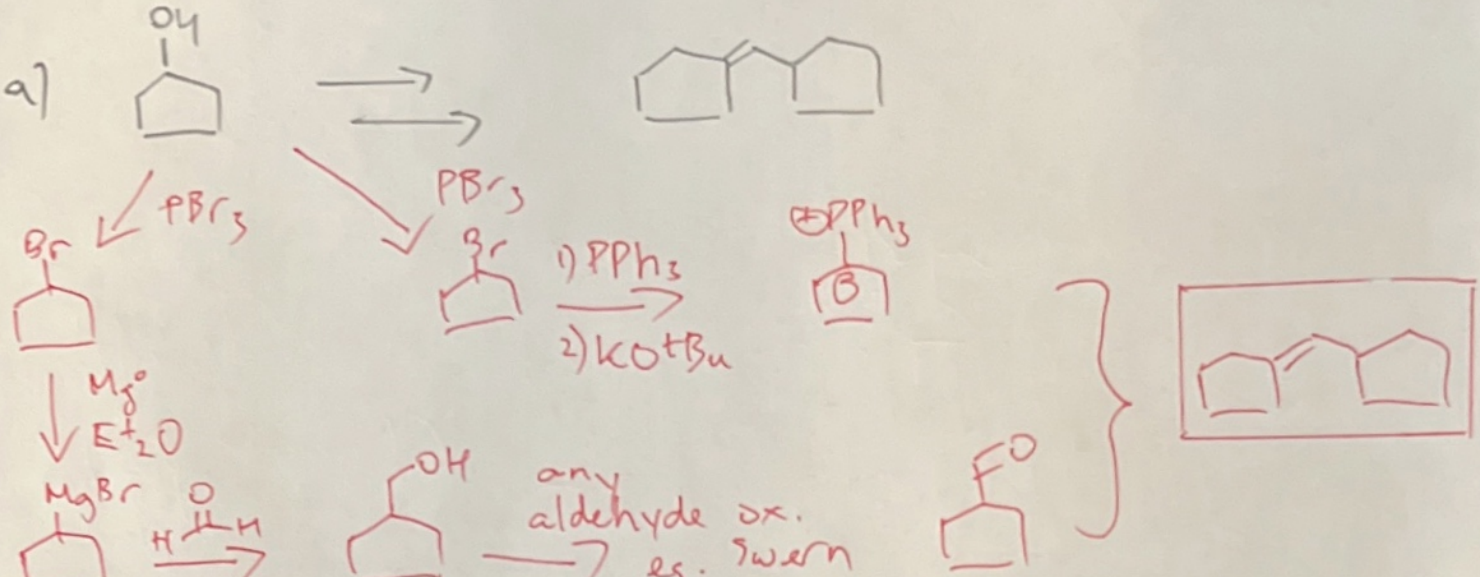
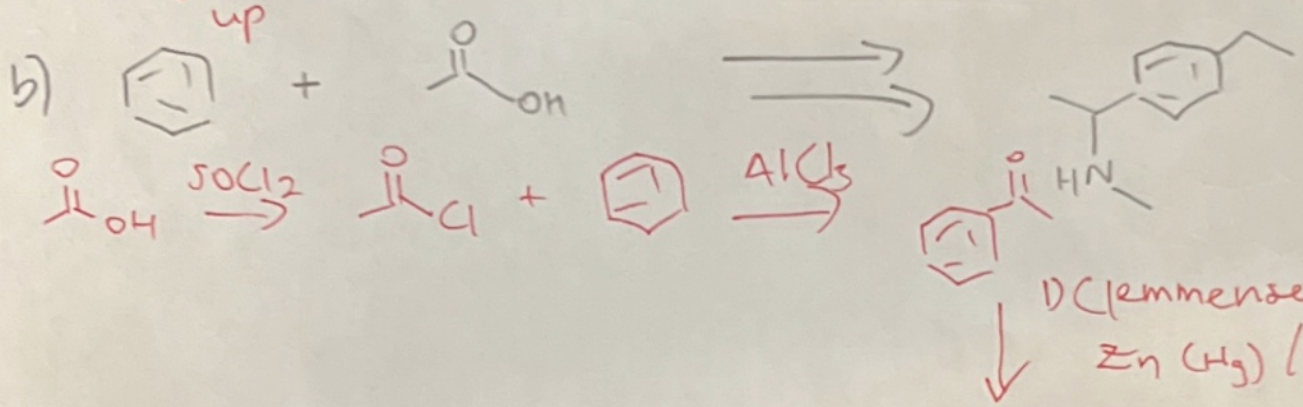
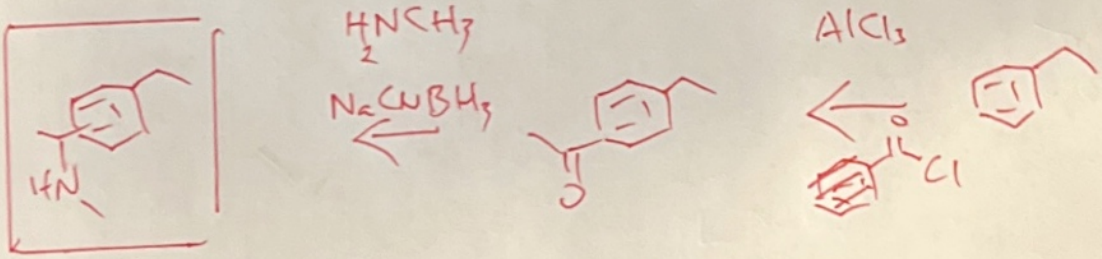


b) $Ph-C\equiv N: \xrightarrow{H^+}$ $Ph-CO_2H$



3) Propose a synthesis for the following questions. 14 pts each (28 total)

a)



b)