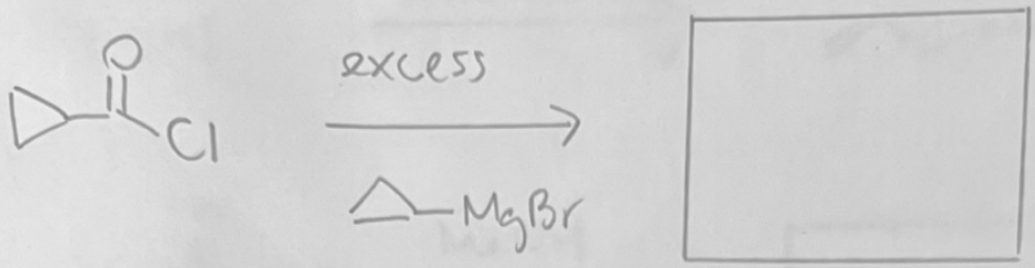
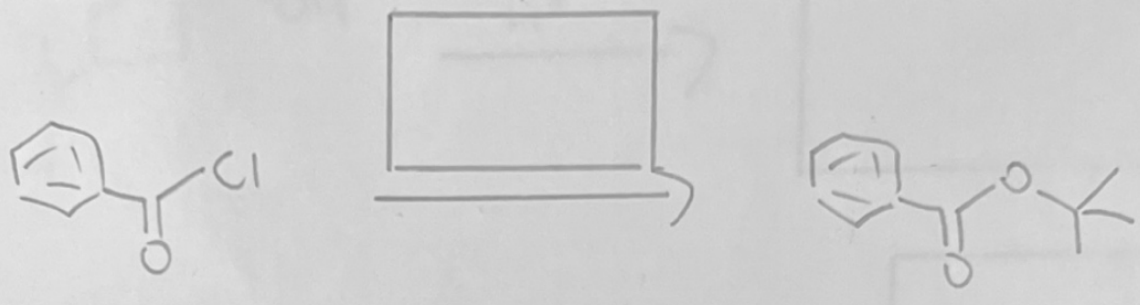
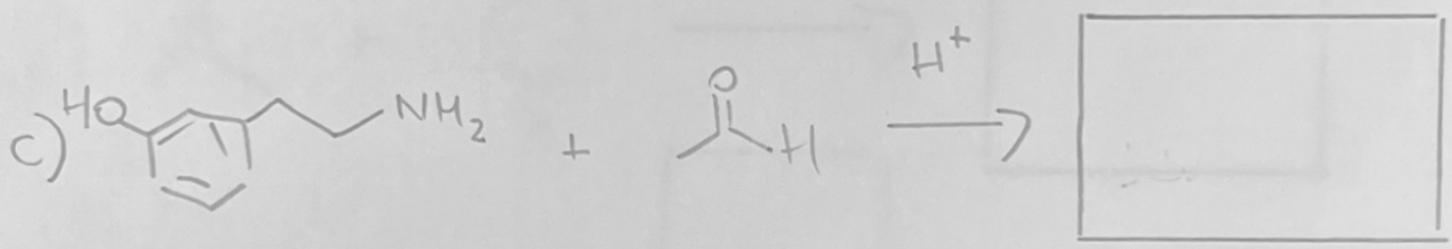
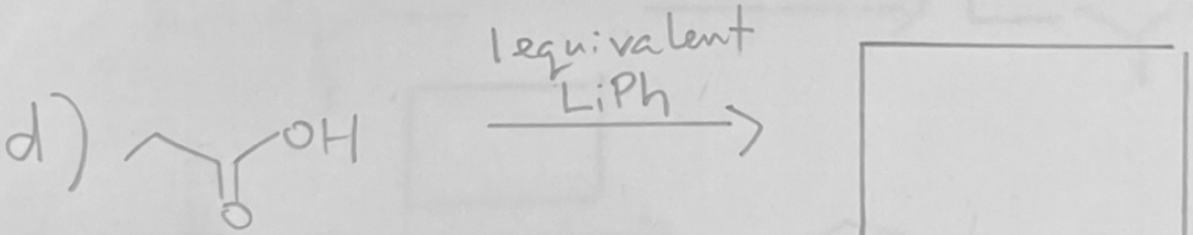
Chem 436 - Spring 2023
Practice Midterm #2

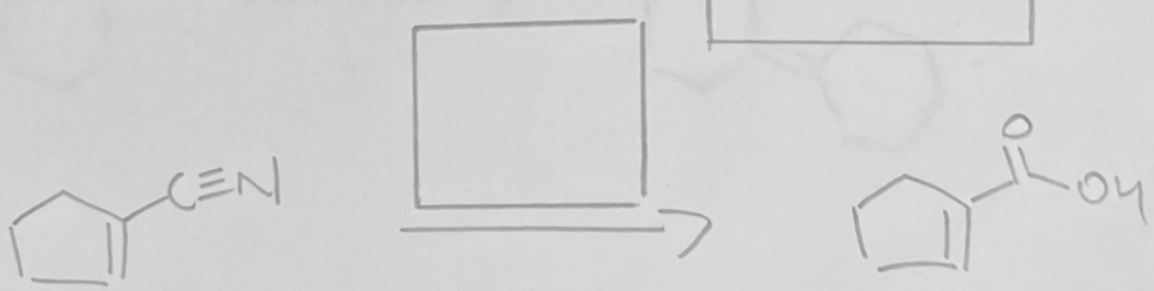
1) Fill in the blanks with reagents or the major product. 4pt each (48 total)

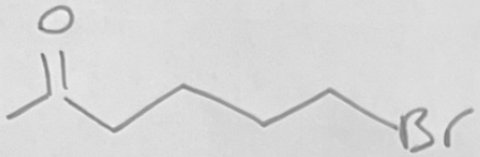
a) 

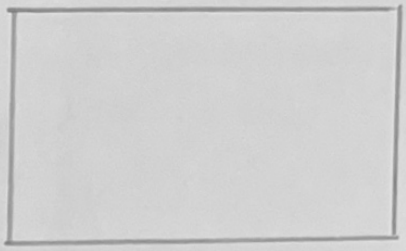
b) 

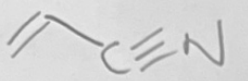
c) 

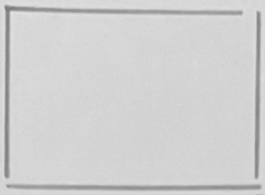
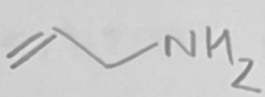
d) 

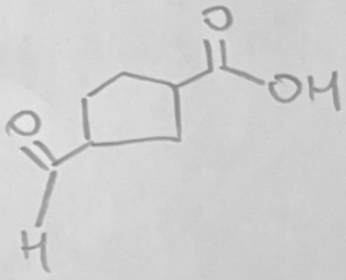
e) 

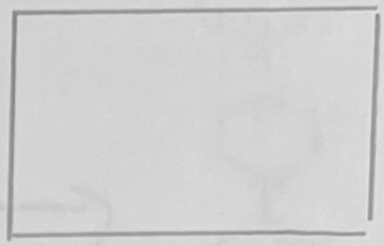
f) 

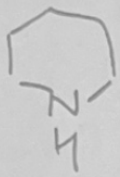
1) PPh_3
2) nBuLi


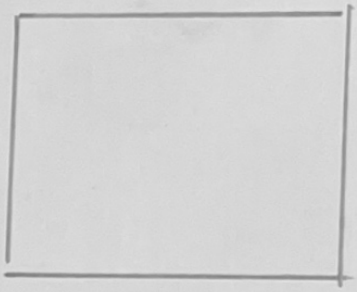
g) 

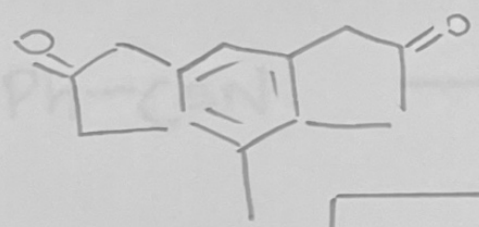
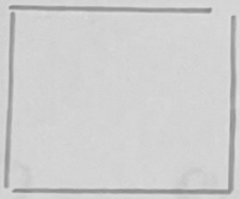
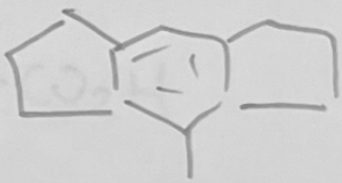



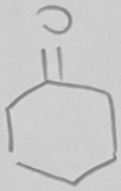
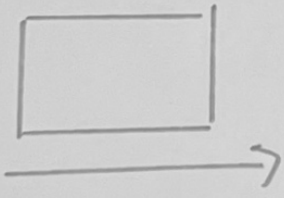
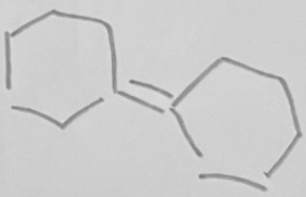
h) 

MeOH
H^+


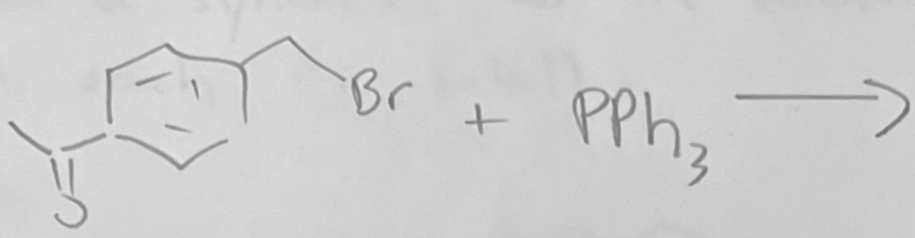
i)
+




j) 



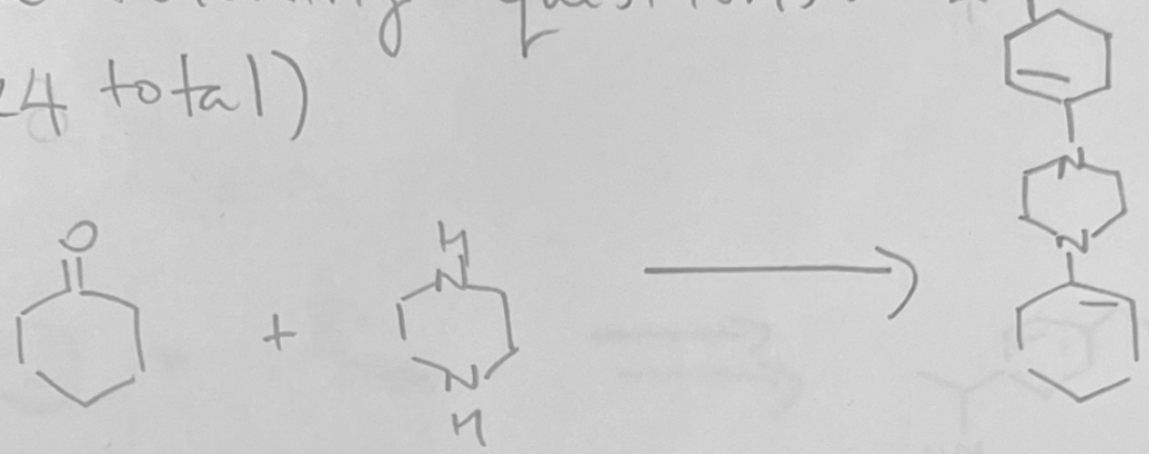
k) 



1)



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

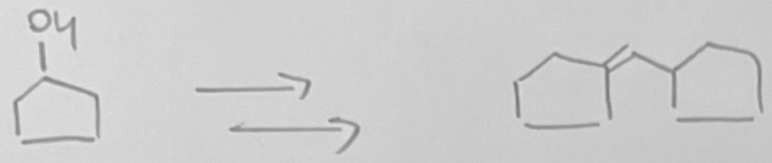
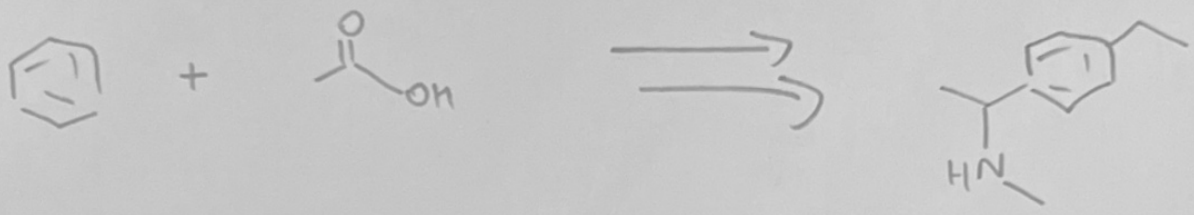
a)



b) Ph–C≡N ⟶ Ph–CO_2H

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

a)



b)