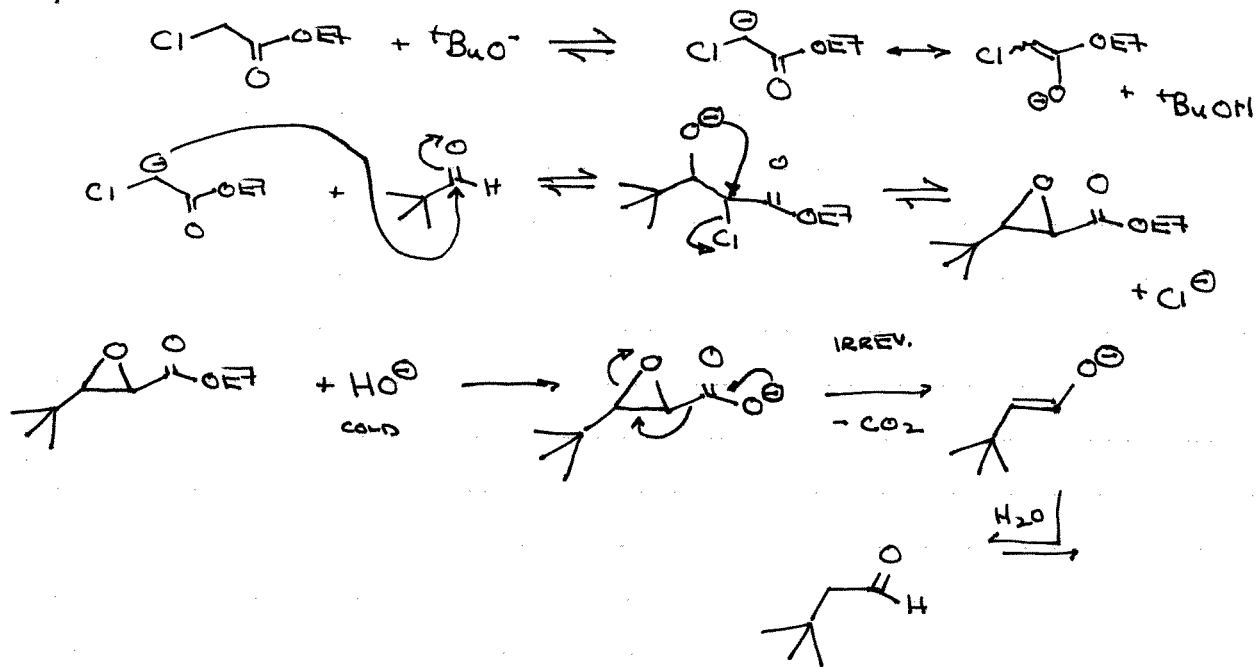
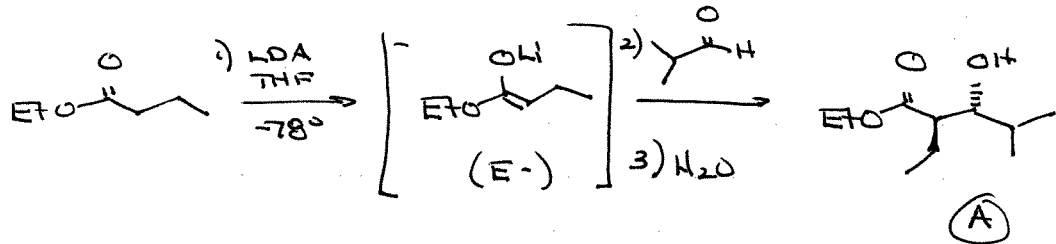


59 331/333 W' 2012  
 TEST #1 - SOLUTIONS

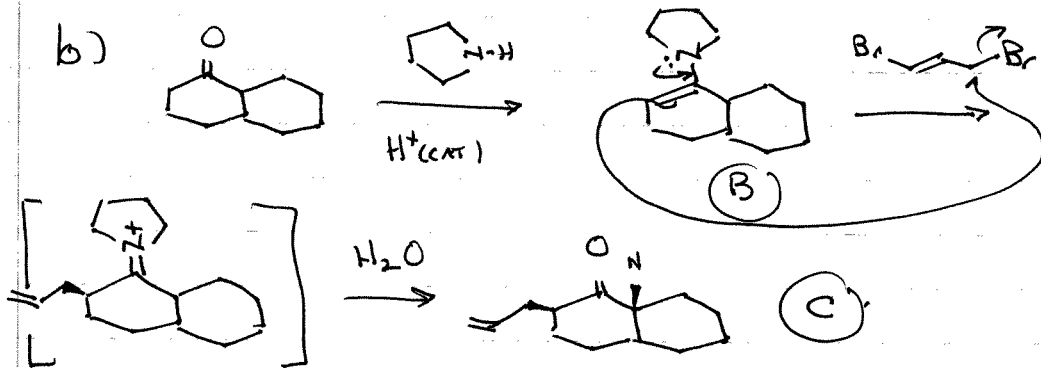
1a)



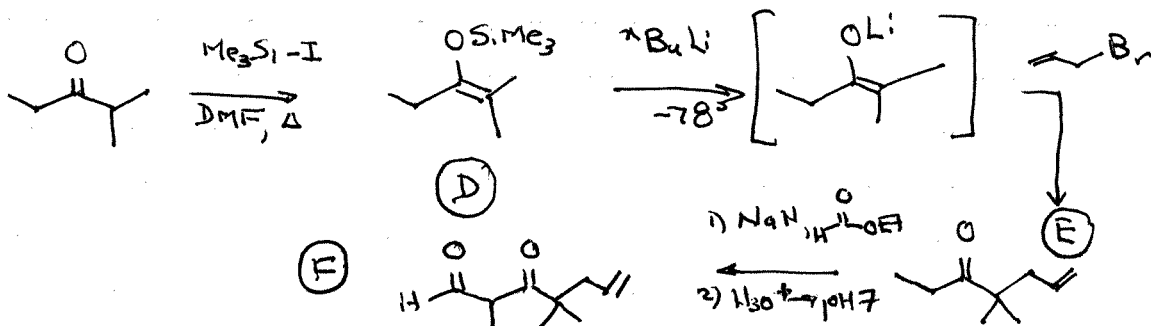
2. a)

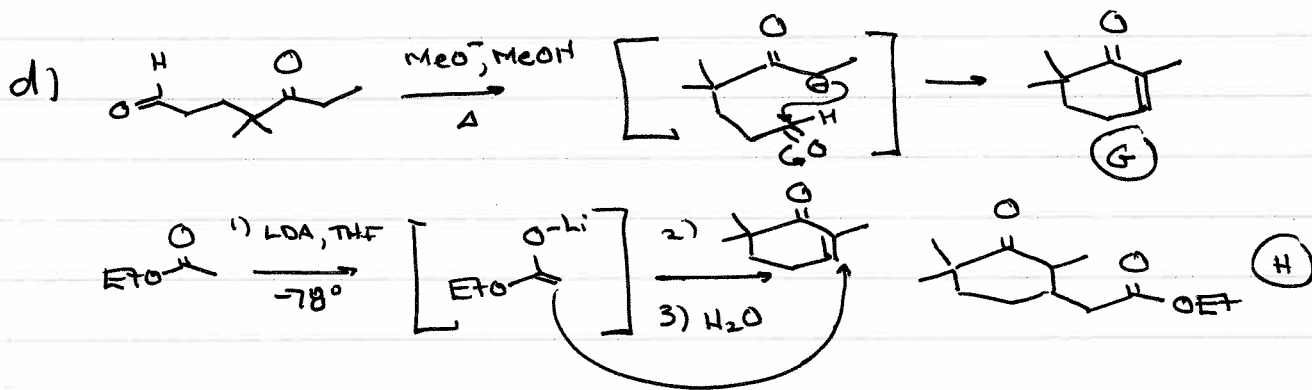


b)

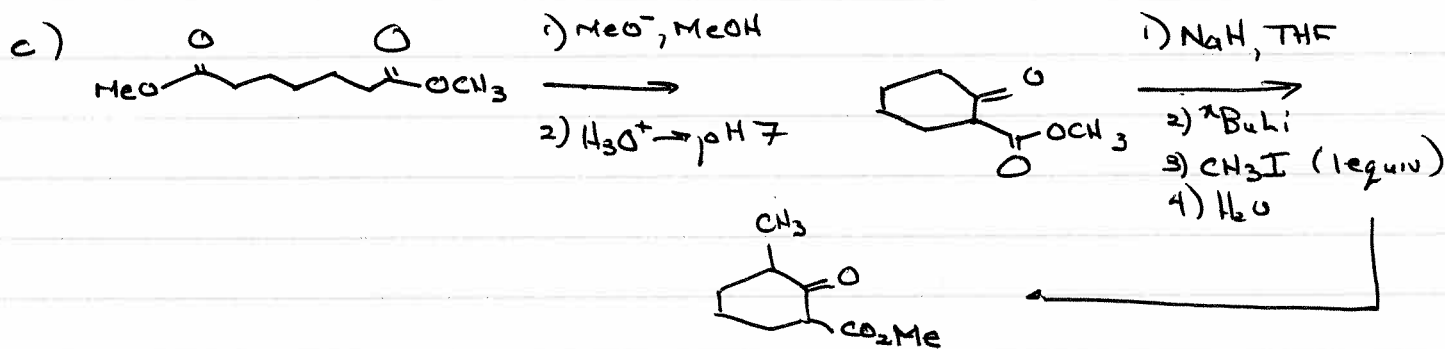
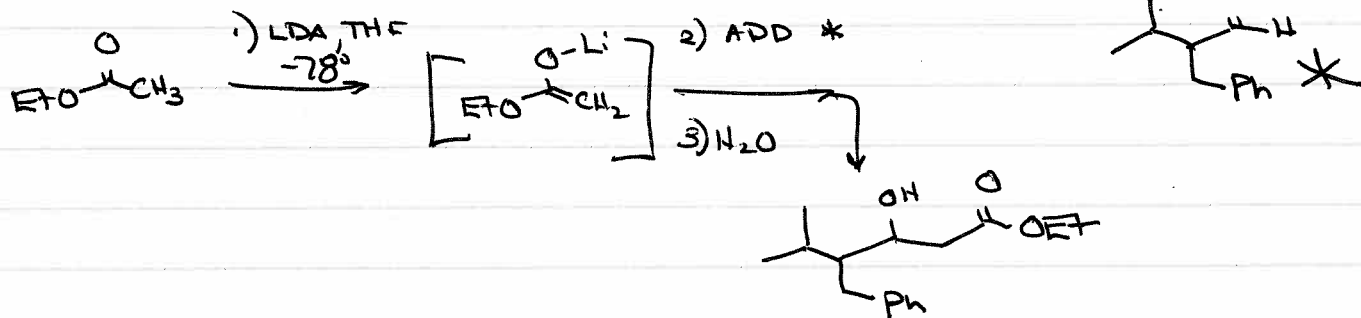
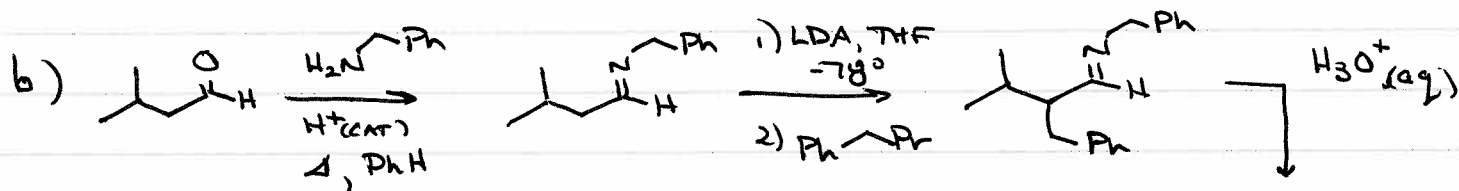
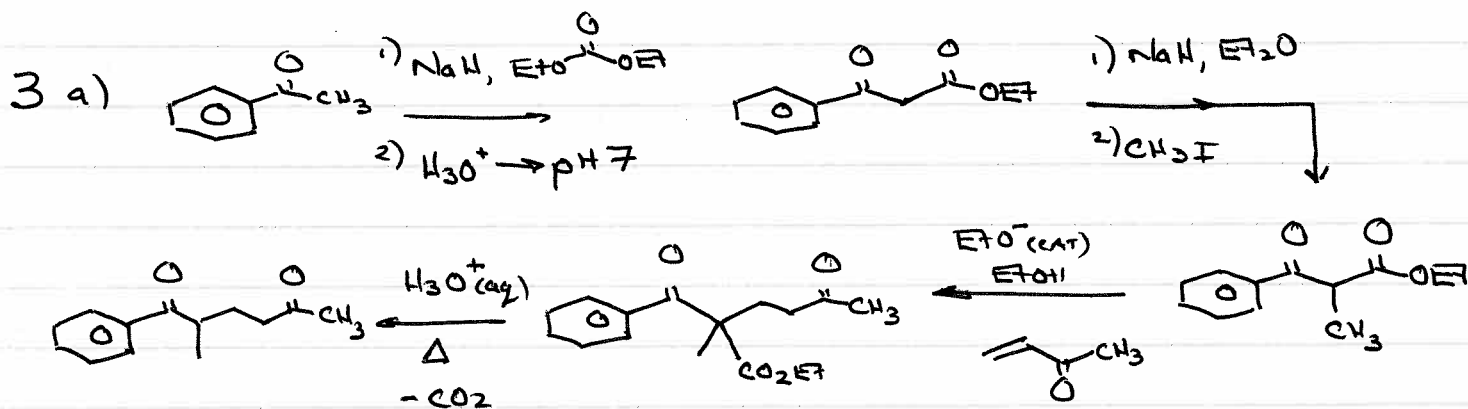


d)

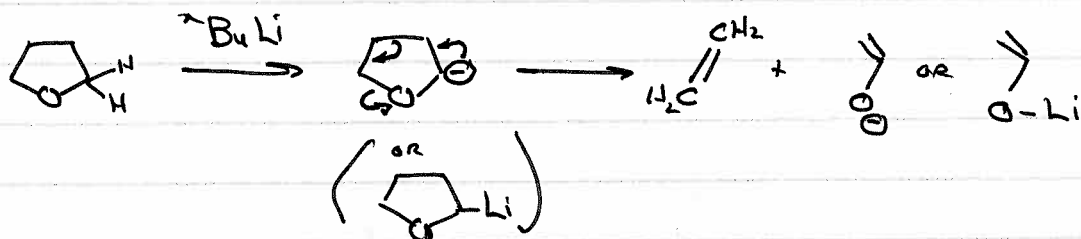




CONJUGATE ADDN PREFERRED - STERICALLY HINDERED KETONE



BONUS THF ISN'T COMPLETELY STABLE TO ALKYL LITHIUM BASES, IF YOU WARM THEM JUST SLIGHTLY. THEY DEPROTONATE NEXT TO THE OXYGEN ATOM, AND THEN IT FALLS APART.



THIS IS PROBABLY THE BEST WAY TO MAKE THIS ENOLATE.