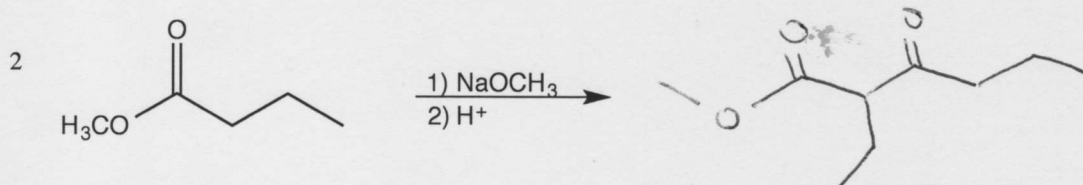
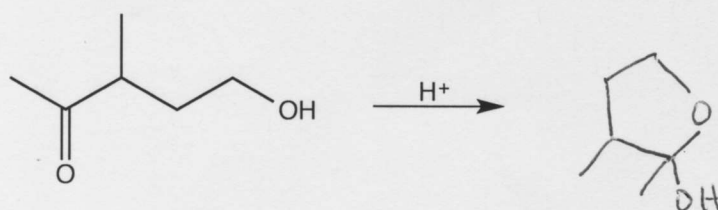


1) Provide the product(s) for the following reactions. Be sure to indicate stereochemistry where appropriate.

a)

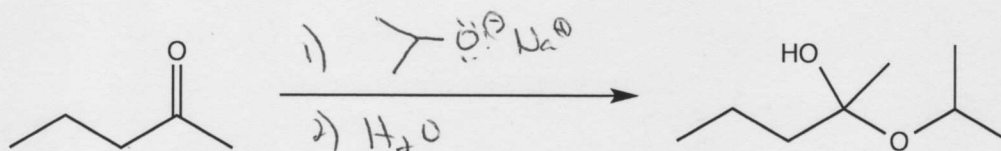


d)

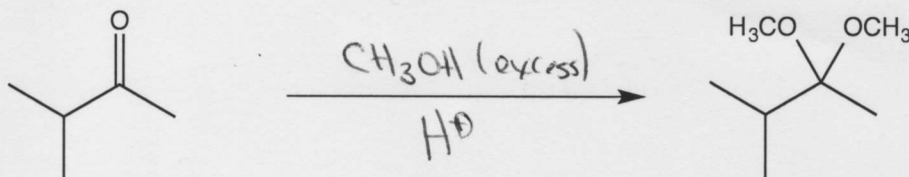


2) Provide the reagent(s) needed to bring about the following transformations.

a)



b)



base doesn't  
work  
⇒ stops at  
hemiacetal