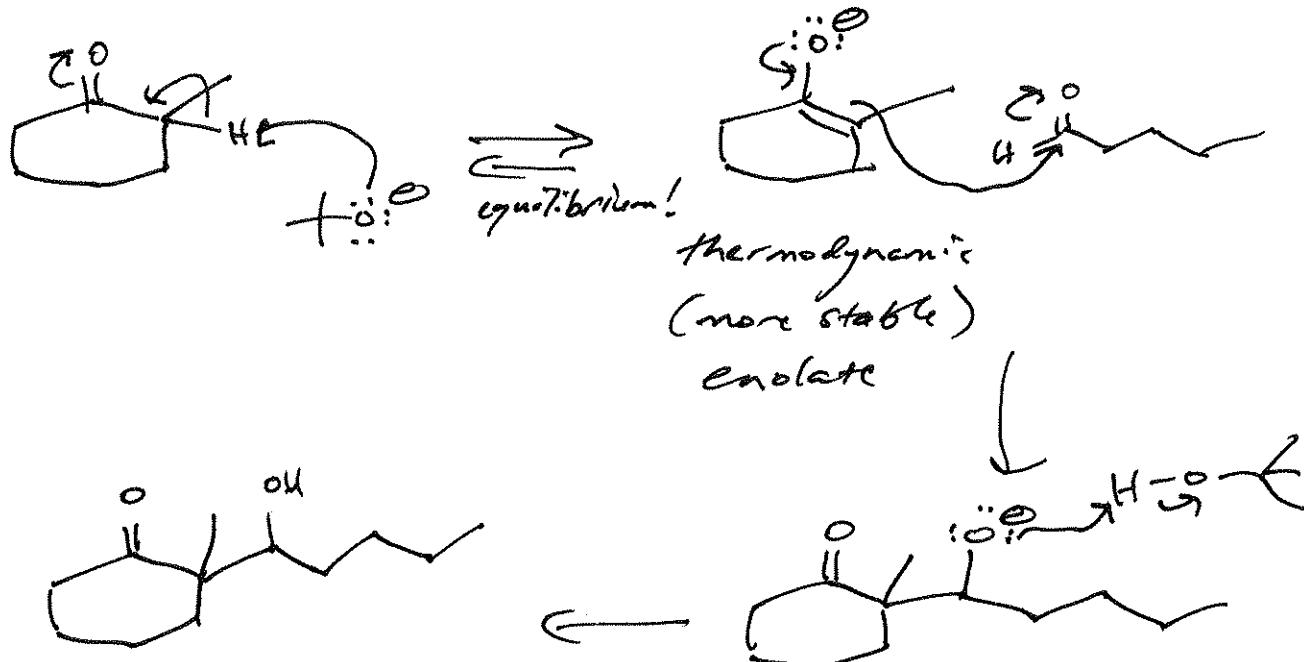
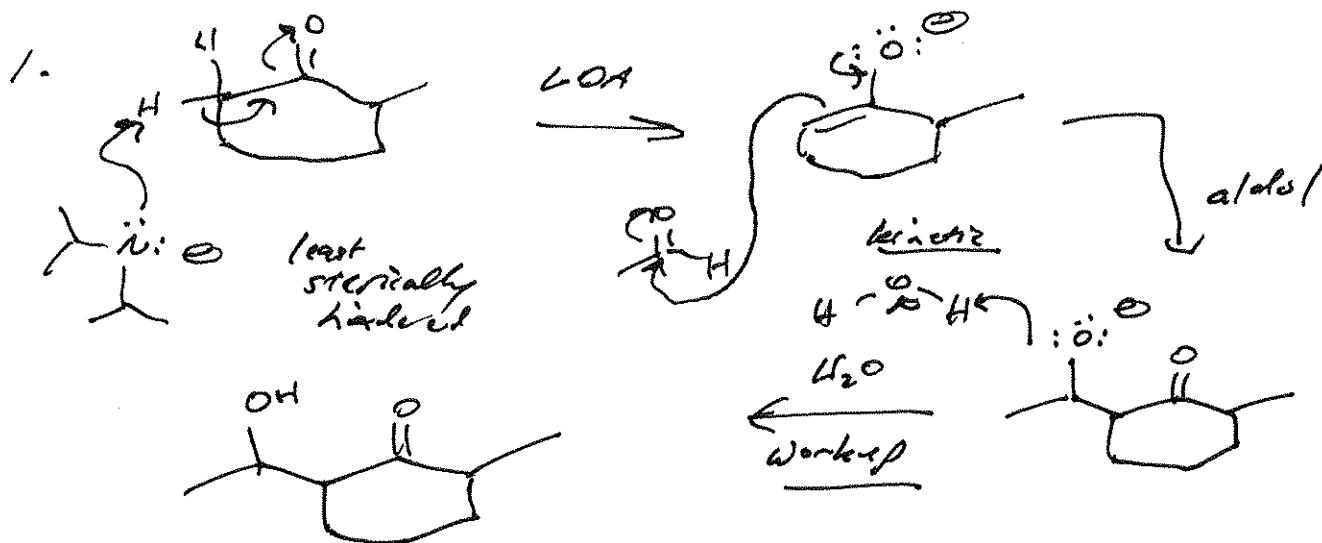
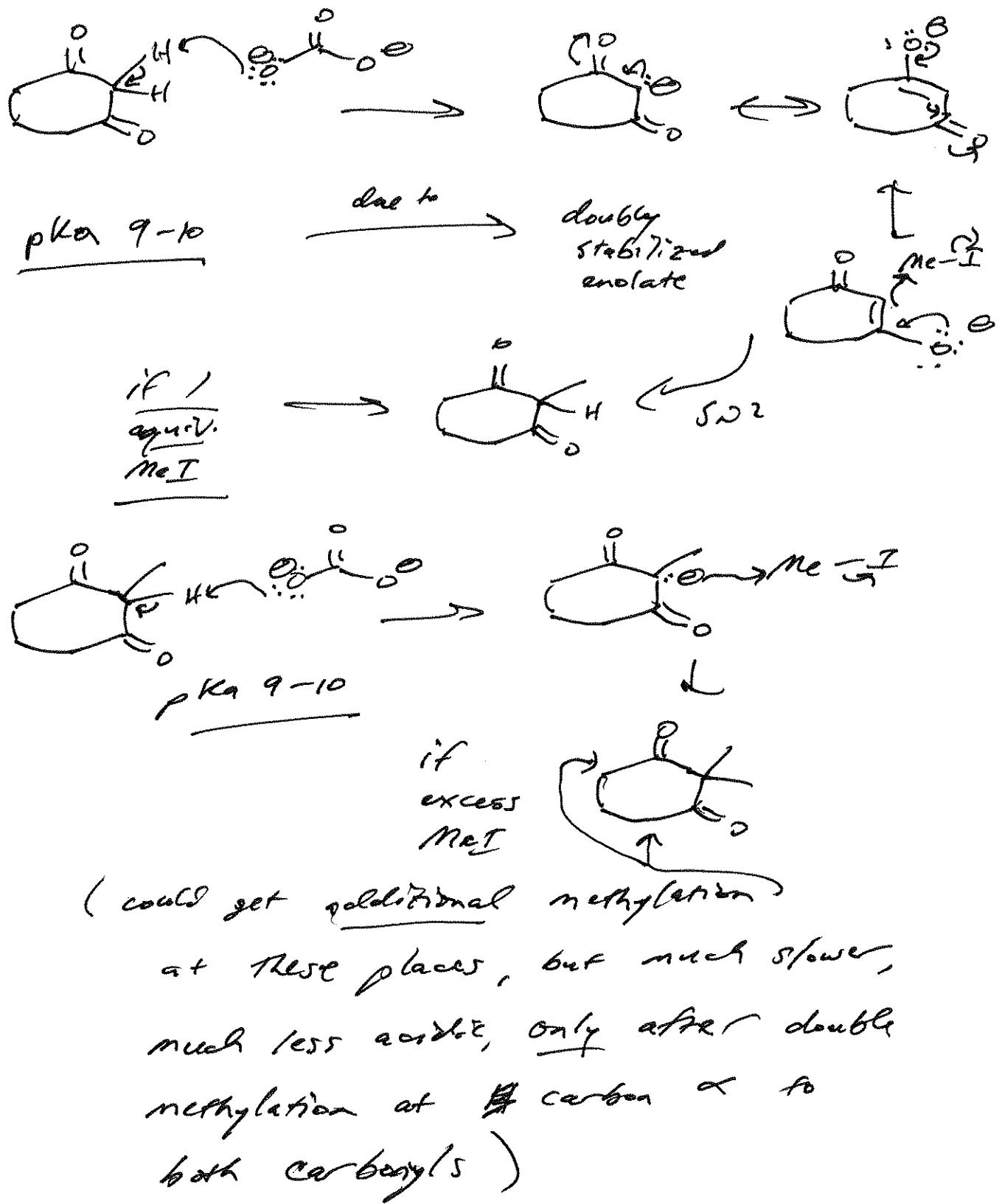
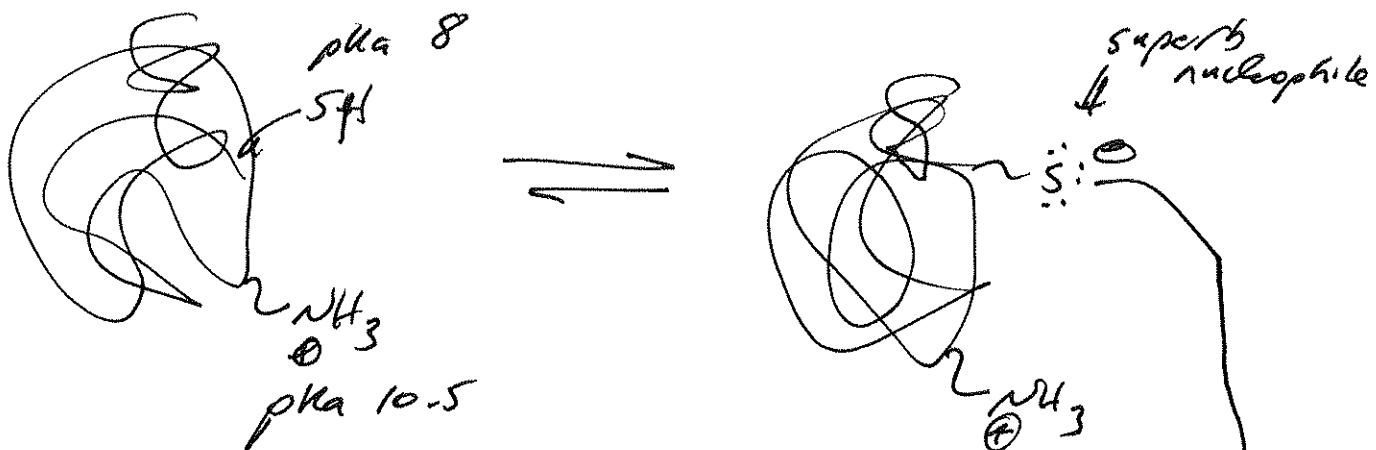


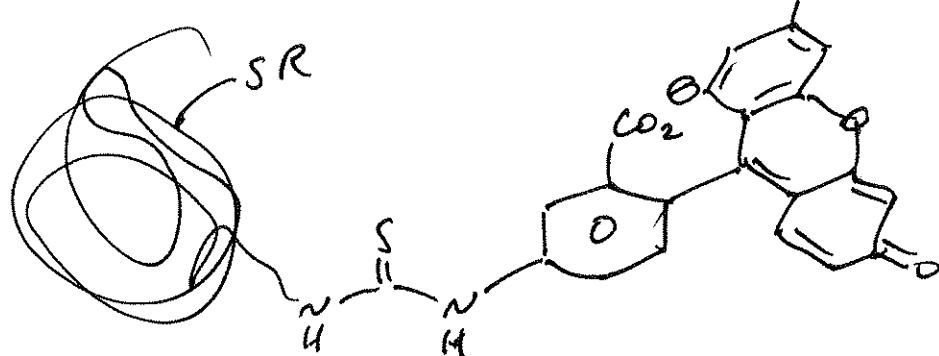
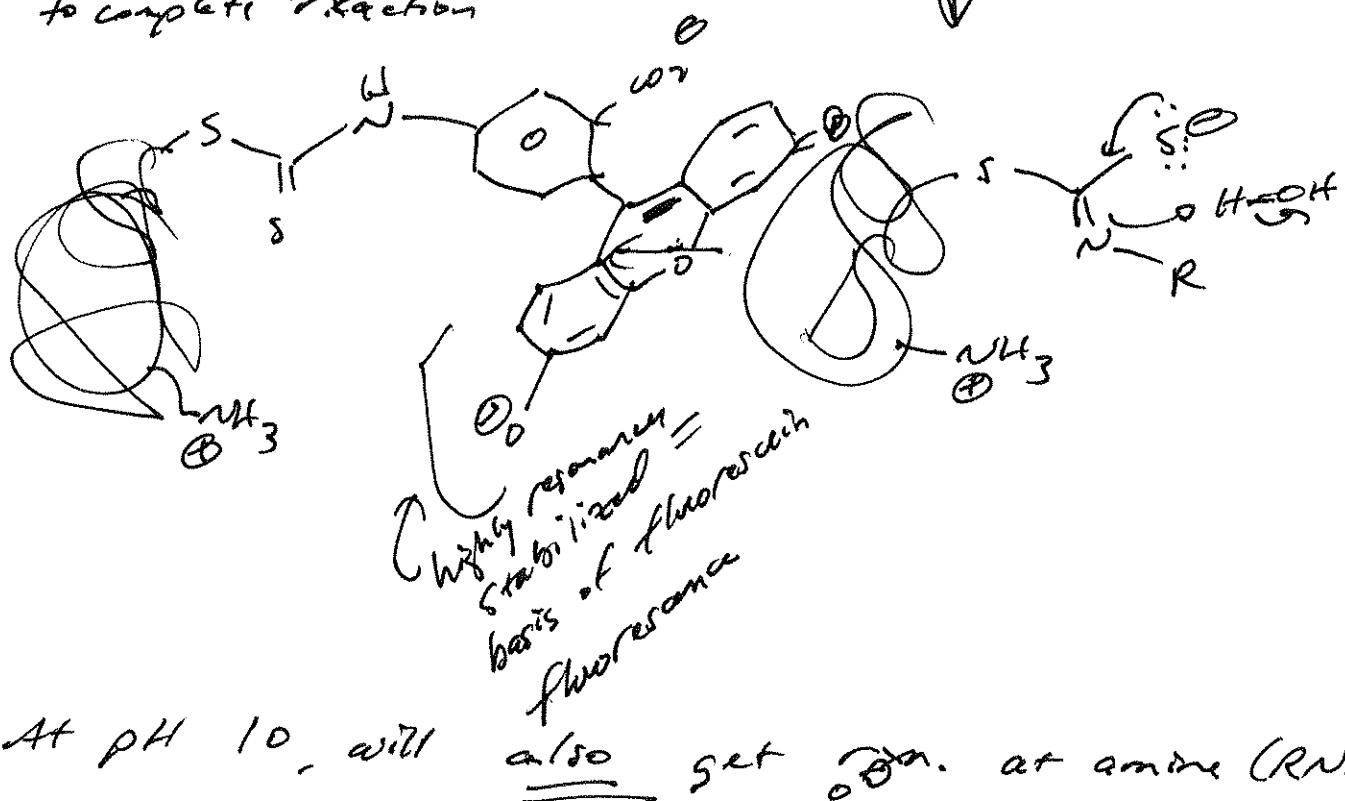
Problem set 8 - Answers

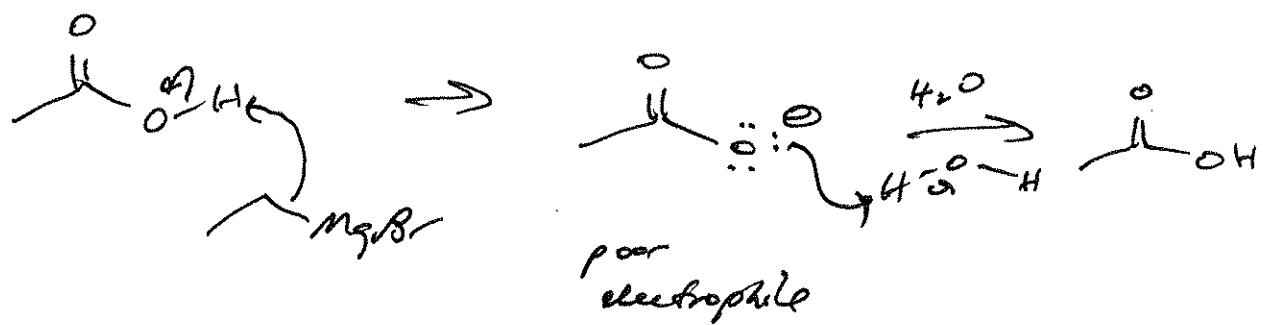
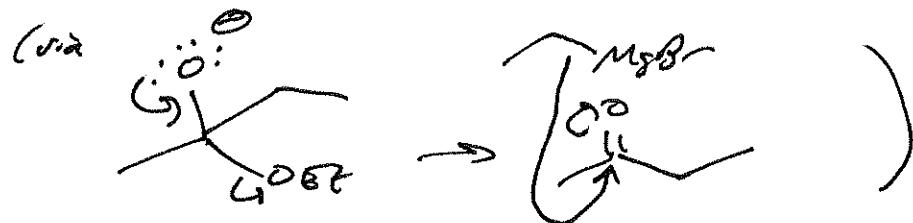
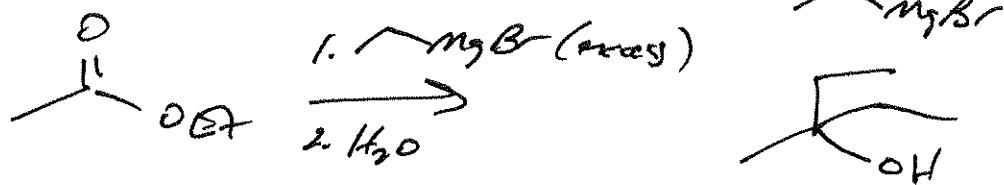
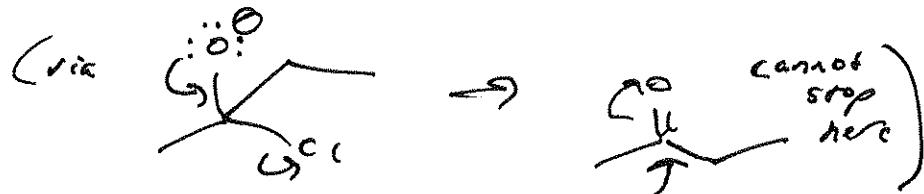
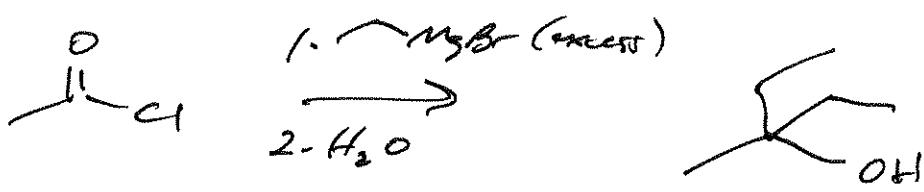




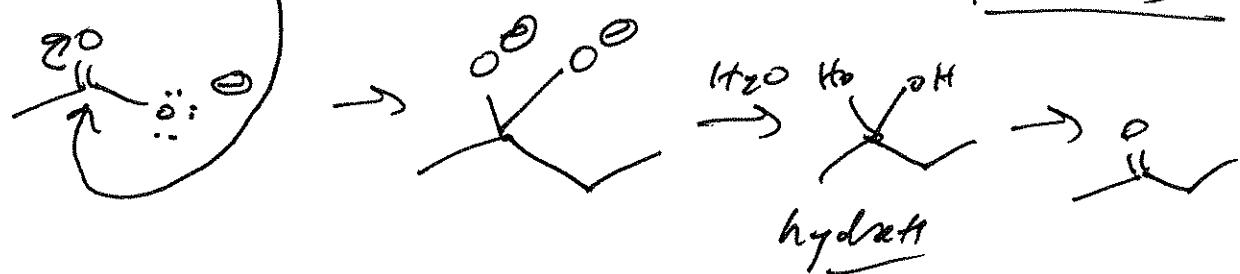


Le Chatelier's principle drives
to complete reaction

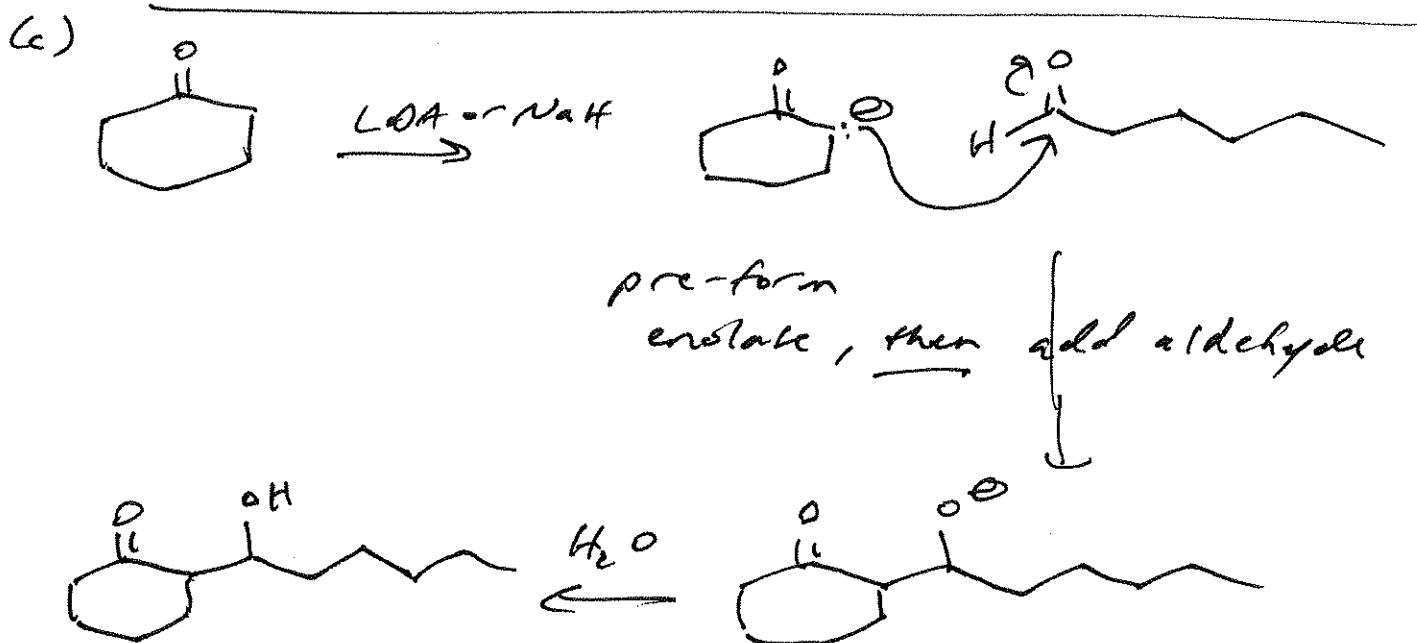
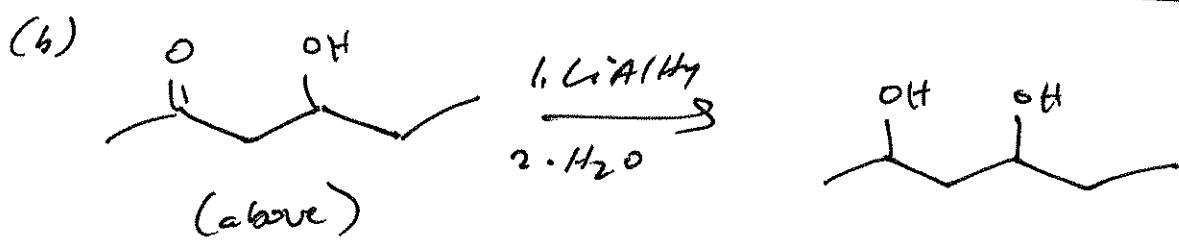
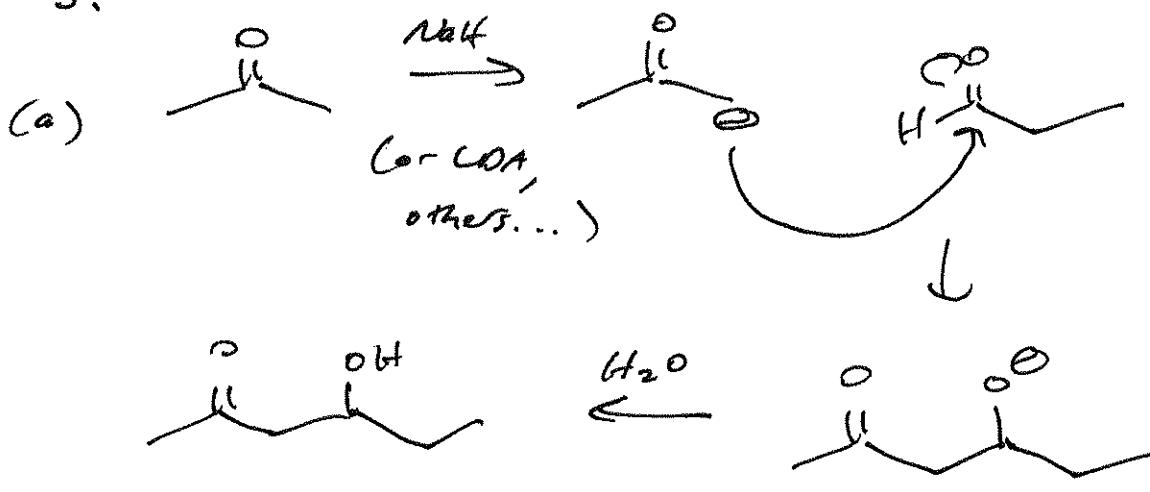




Note: if and 2 equivalents
get



3.



Key for (a) and (c): Generate one enolate stoichiometrically (only nucleophile), then add electrophile (RCOO better than ketone, too, as electrophile)