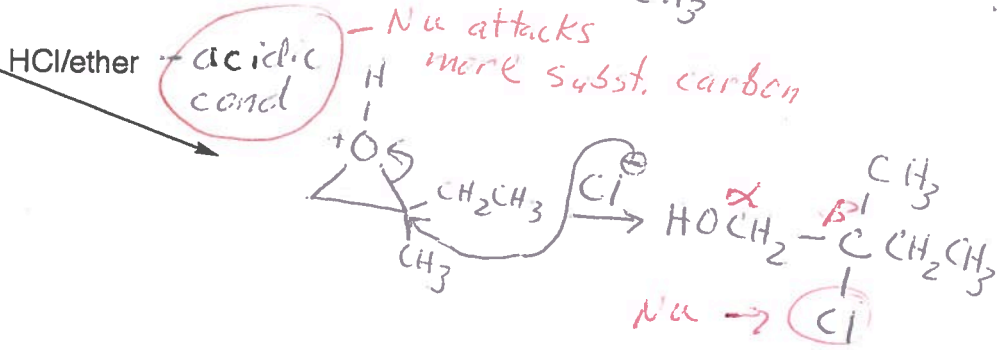
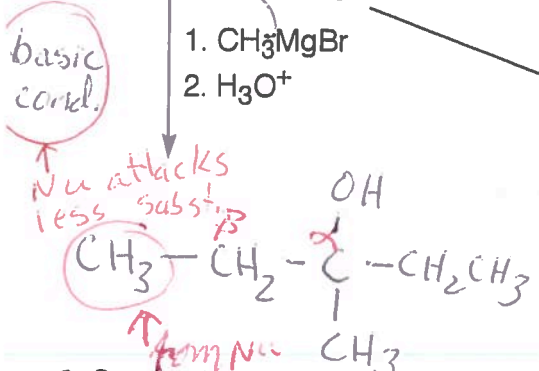
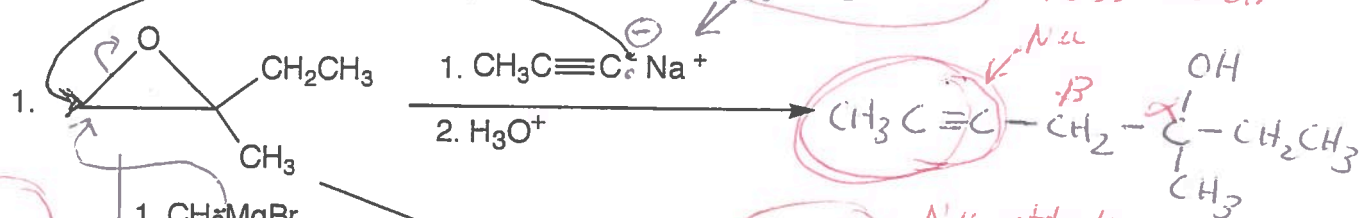
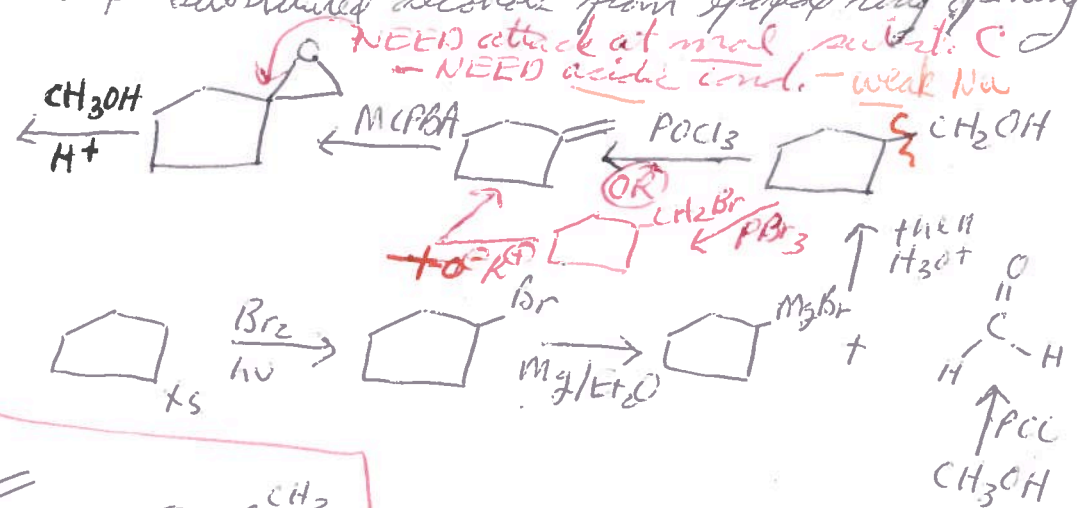
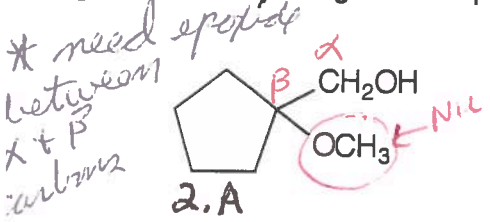


MAD ORG. CHEM "MIN." #11

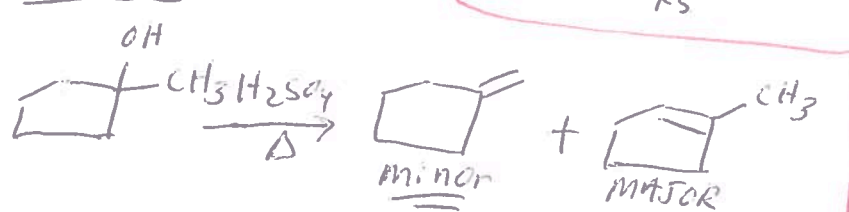
10



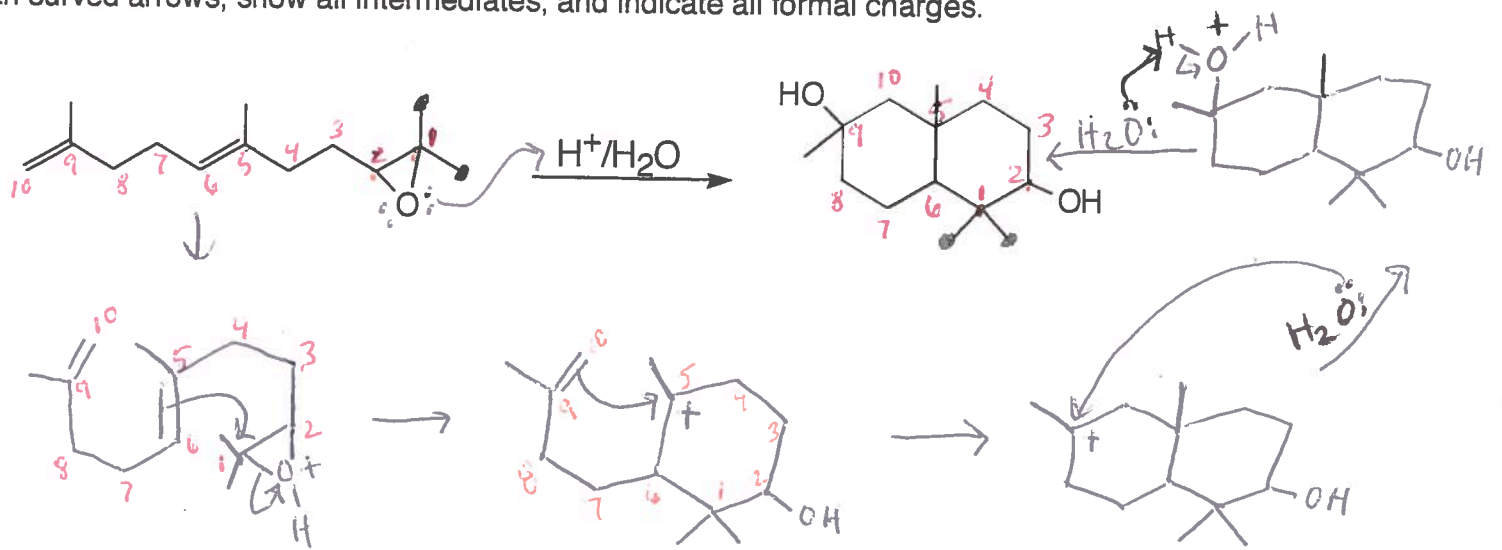
2. Synthesize the compound below from methanol, ethanol, cyclopentane, any oxidizing or reducing agents, and any inorganic compounds.



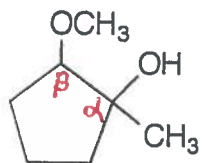
CANNOT USE:



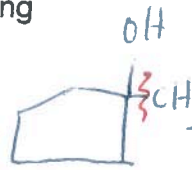
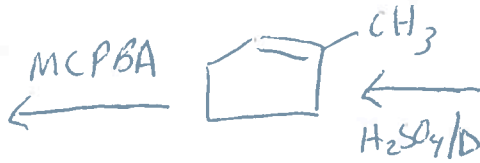
3. Provide a mechanism for the following transformation. Be sure to show all electron movements with curved arrows, show all intermediates, and indicate all formal charges.



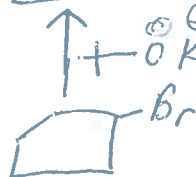
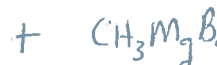
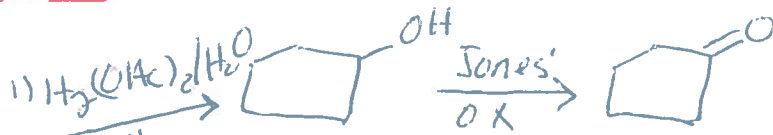
28. Synthesize the compound below from methanol, ethanol, cyclopentane, any oxidizing or reducing agents, and any inorganic compounds.



want attack at less subst. carbon  $\therefore$  basic conditions



then H3O+



~~KOH~~  
E2 complete

