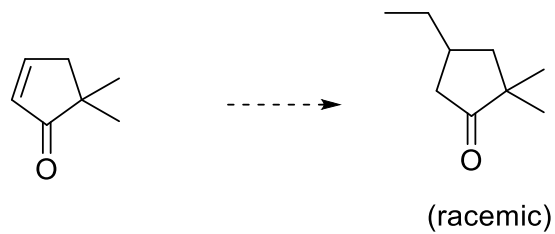


NAME:

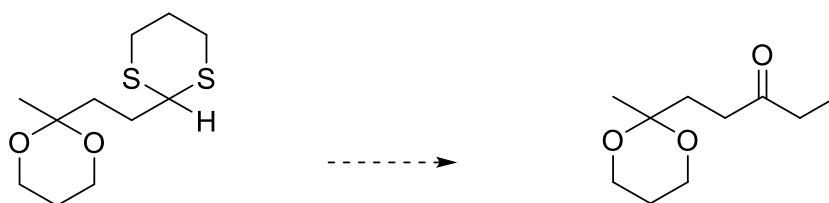
11. 5. 2020

Suggest reagents and conditions for the following transformations:

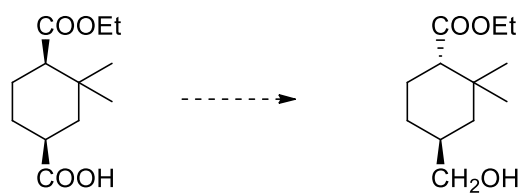
1. (7 pts)



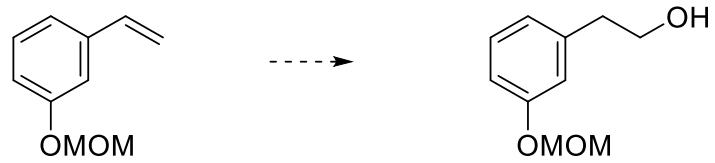
2. (7 pts)



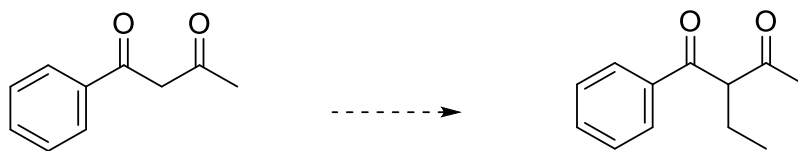
3. (7 pts)



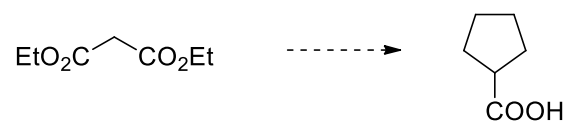
4. (7 pts)



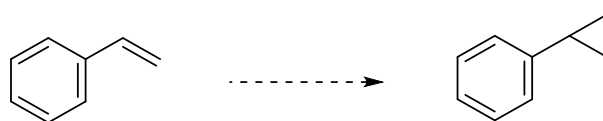
5. (7 pts)



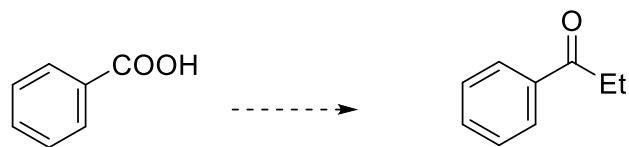
6. (7 pts)



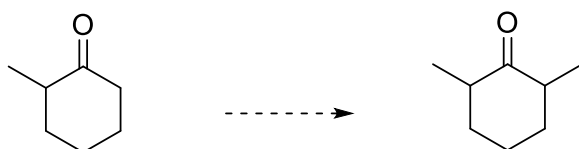
7. (7 pts)



8. (7 pts)

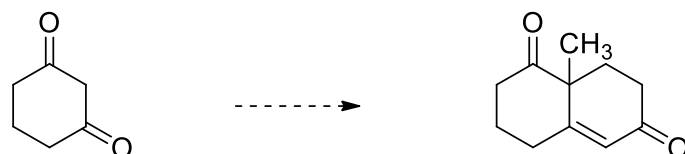


9. (7 pts)

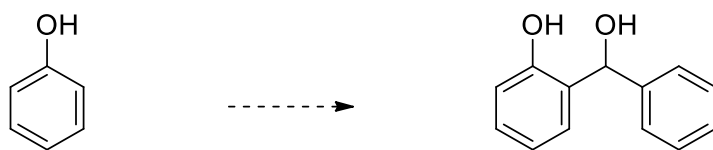


(suggest conditions that will strongly favor formation of this regioisomer over the one with gem dimethyl)

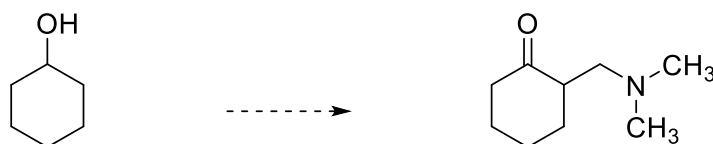
10. (7 pts)



11. (7 pts)



12. (7 pts)



13. (16 pts) Using the Felkin-Anh model determine the structure of the major product of the following reaction:

