

**2018 ORG MECH: Nucleophiles and Bases      FINAL      100pts**

NAME: \_\_\_\_\_

Propose mechanisms for all of the following 6 problems, and I will take your 4 best scores (4x25=100pts).

A =

B =

C =

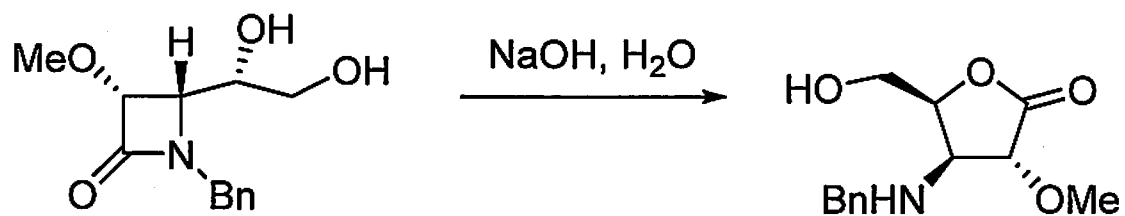
D =

E =

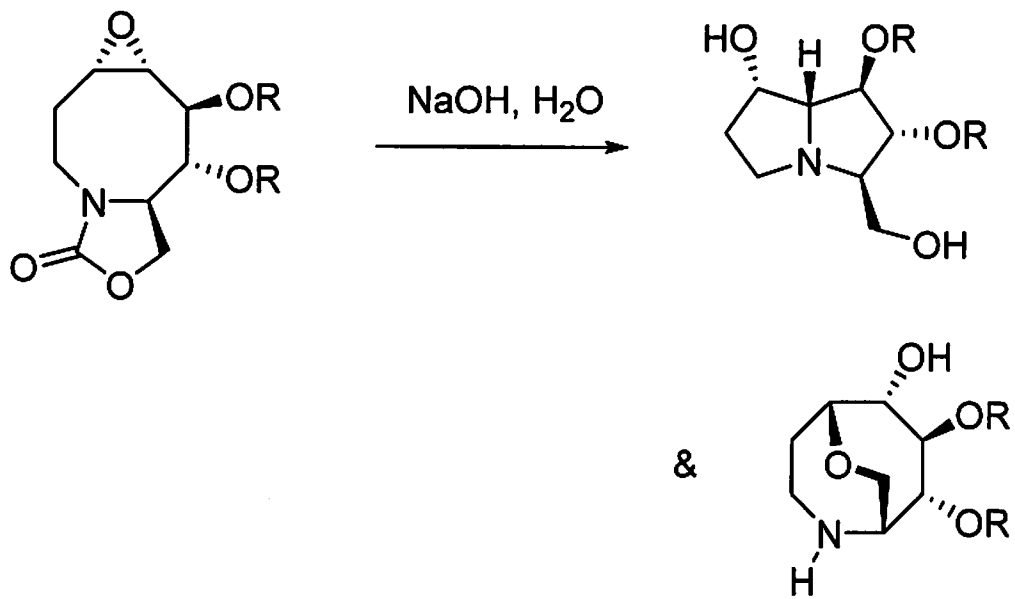
F =

TOTAL / 100 =

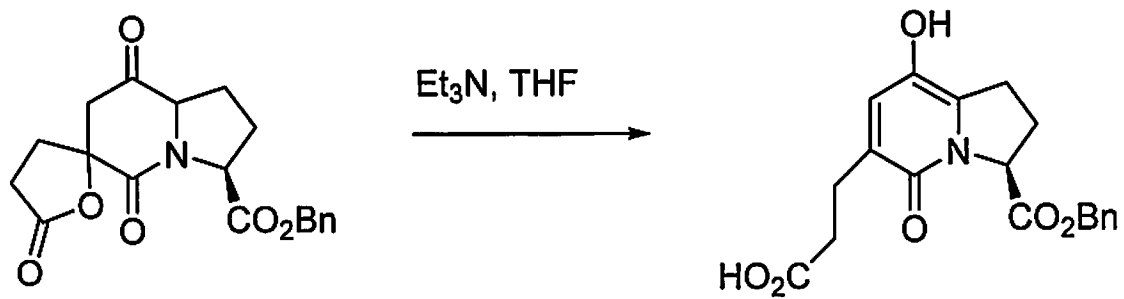
A) Propose a mechanism for the following reaction.



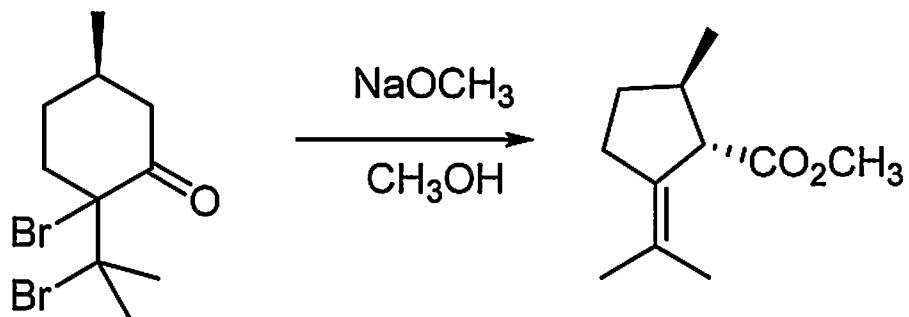
B) Propose a mechanism for the following reaction, showing the formation of both products.



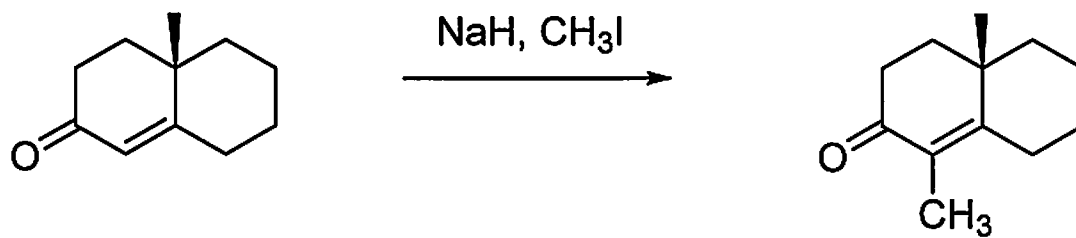
C) Propose a mechanism for the following reaction.



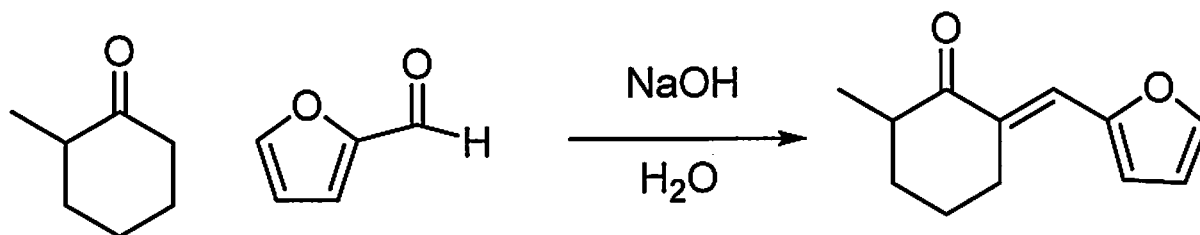
D) Propose a mechanism for the following reaction.



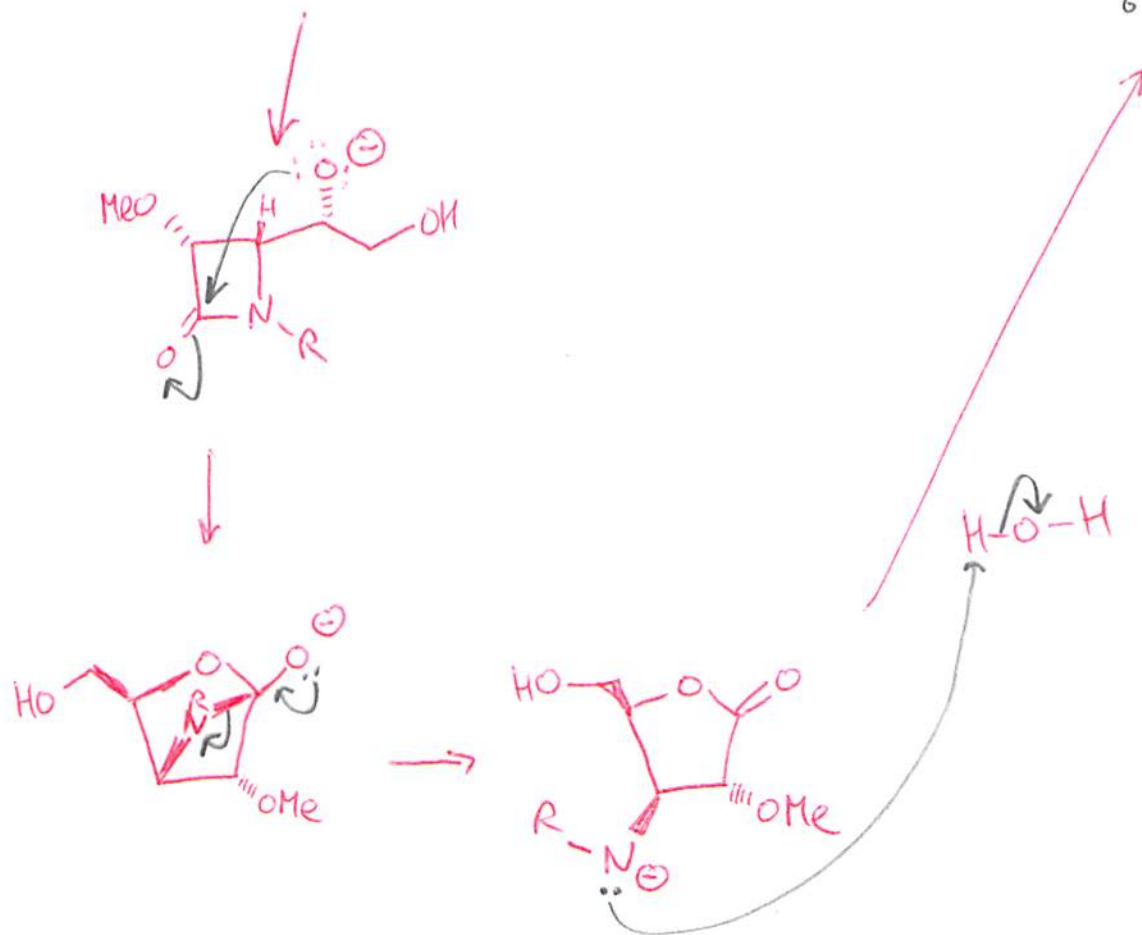
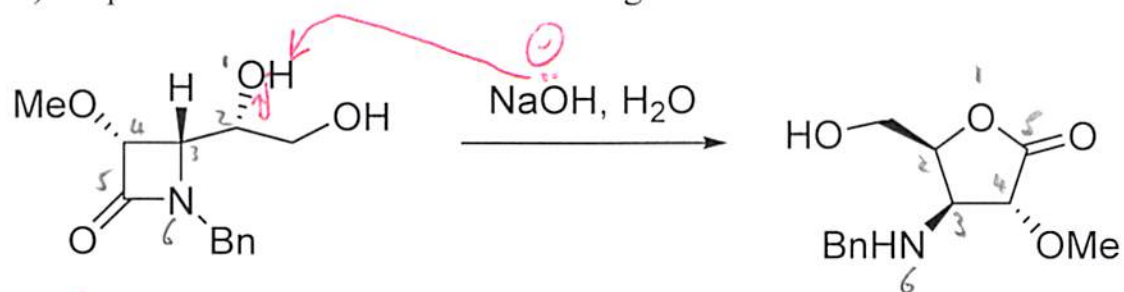
E) Propose a mechanism for the following reaction that does NOT involve deprotonation at the  $sp^2$  Carbon.



F) Propose a mechanism for the following reaction.

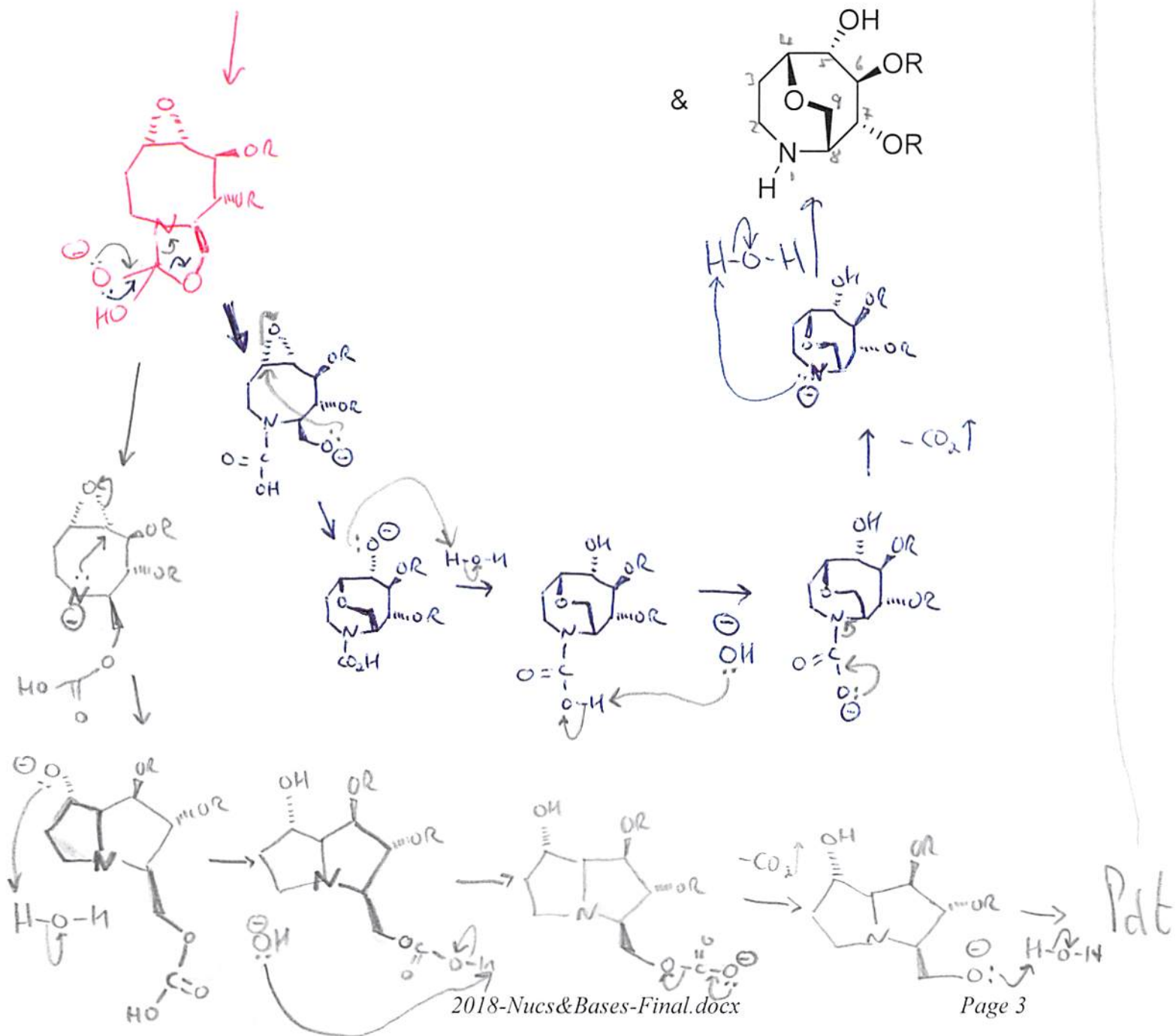
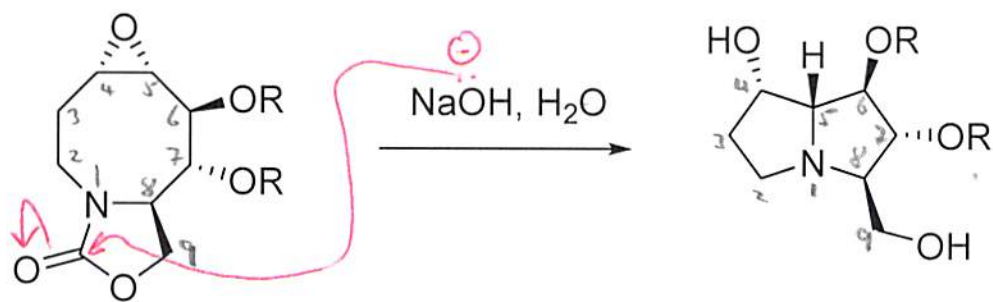


A) Propose a mechanism for the following reaction.



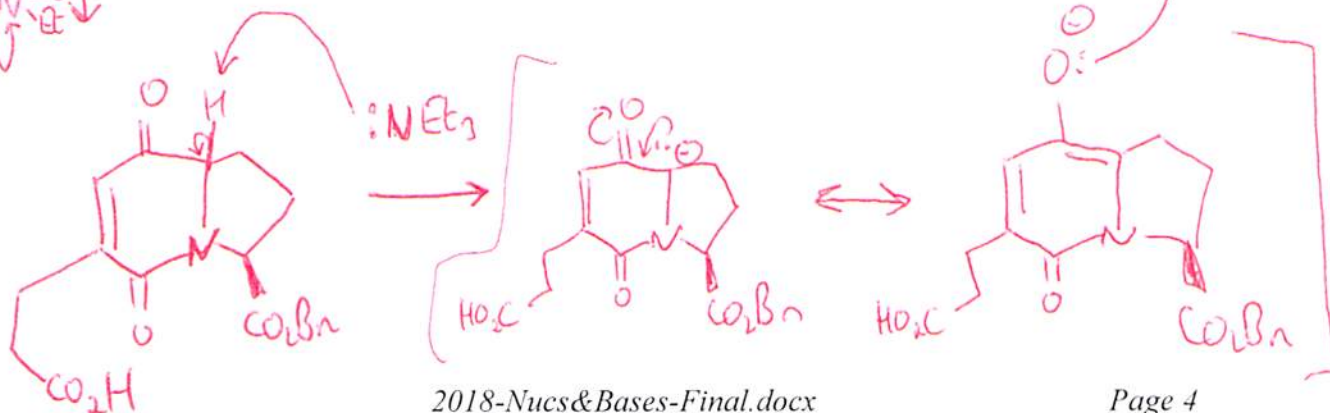
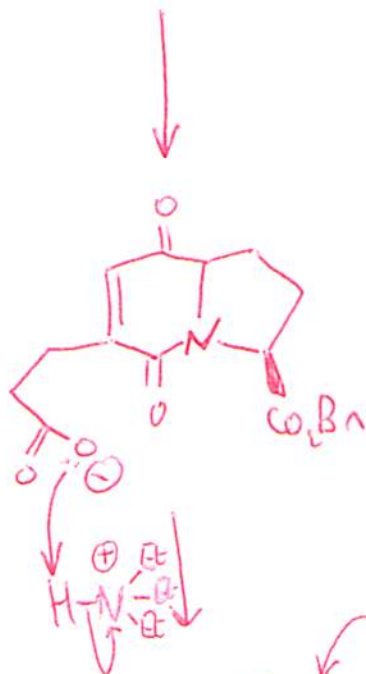
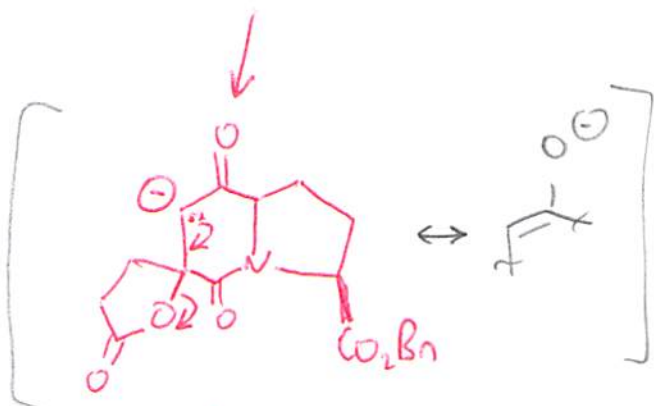
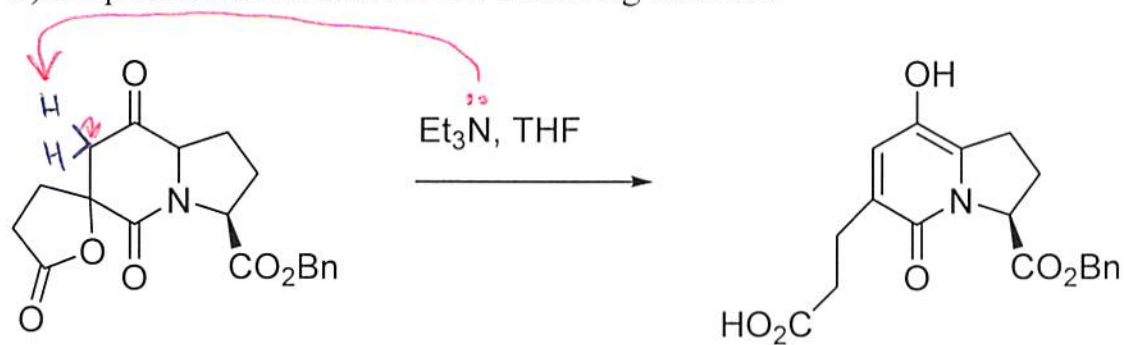


B) Propose a mechanism for the following reaction, showing the formation of both products.

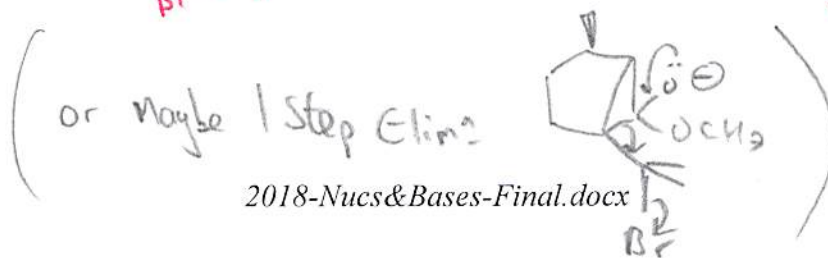
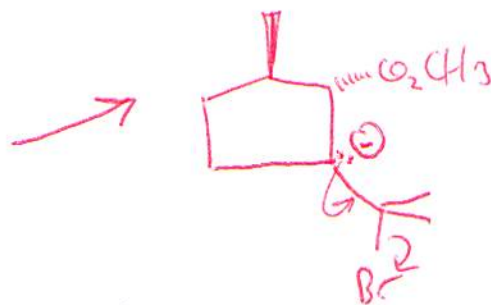
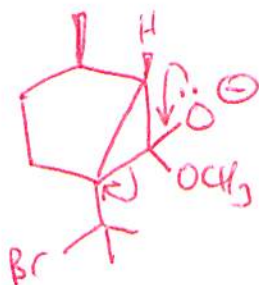
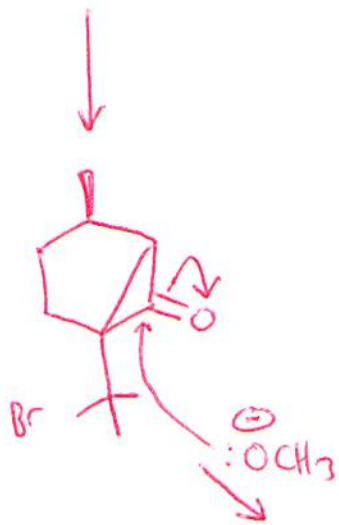
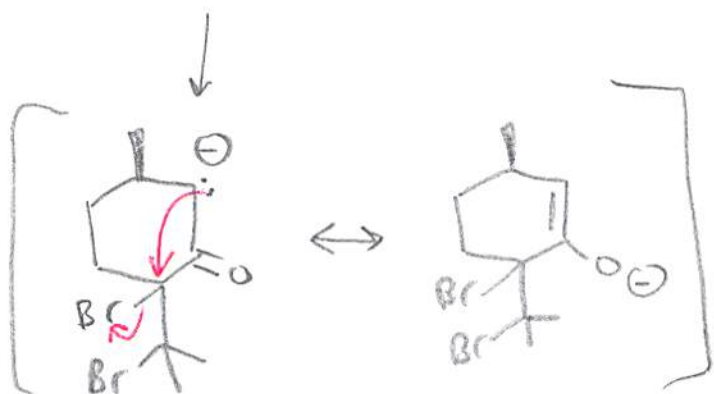
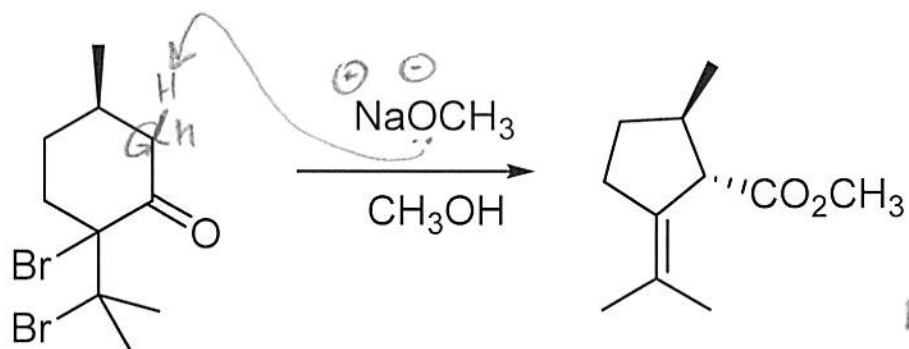


Pdt

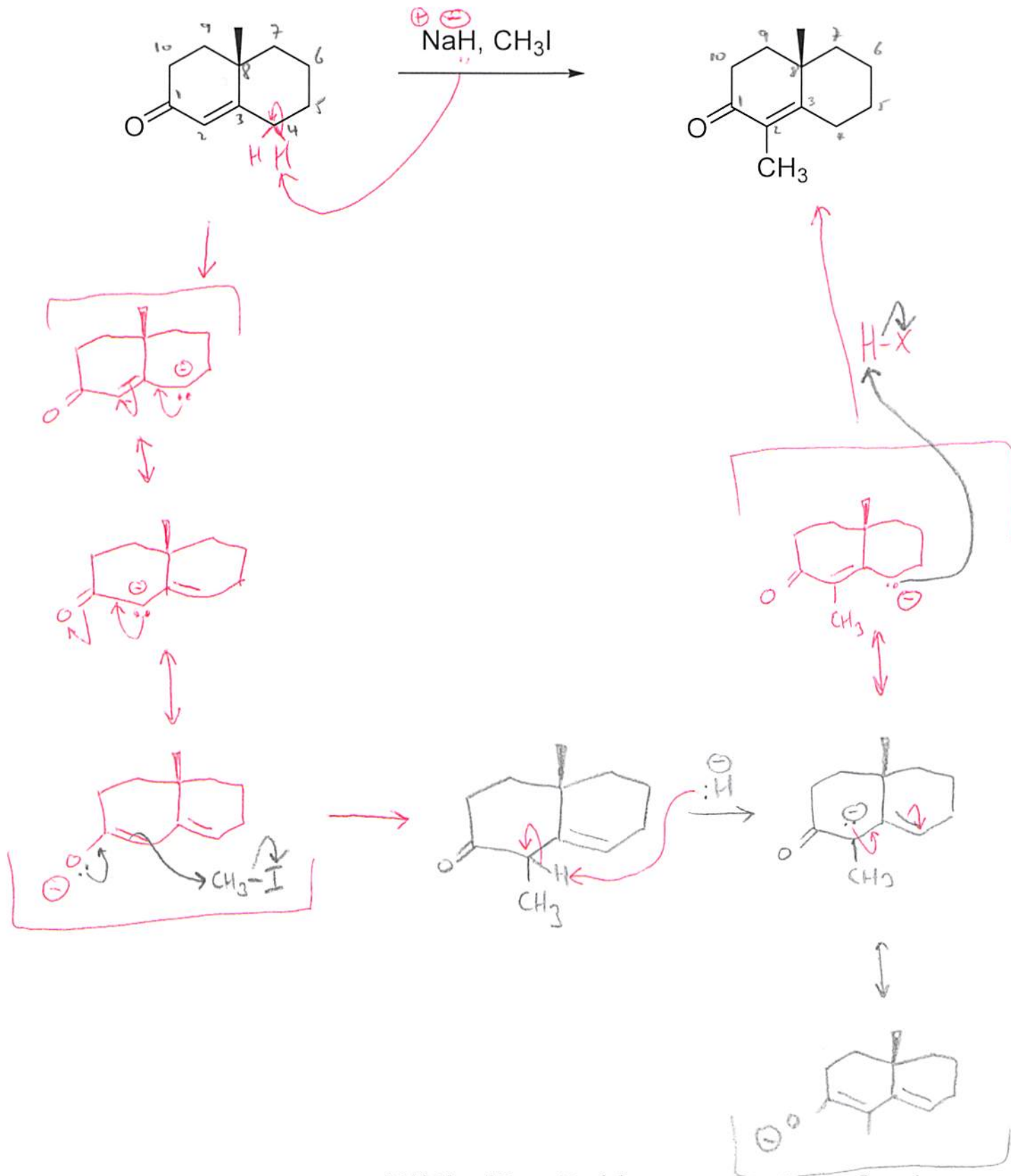
C) Propose a mechanism for the following reaction.



D) Propose a mechanism for the following reaction.



E) Propose a mechanism for the following reaction that does NOT involve deprotonation at the  $sp^2$  Carbon.



F) Propose a mechanism for the following reaction.

