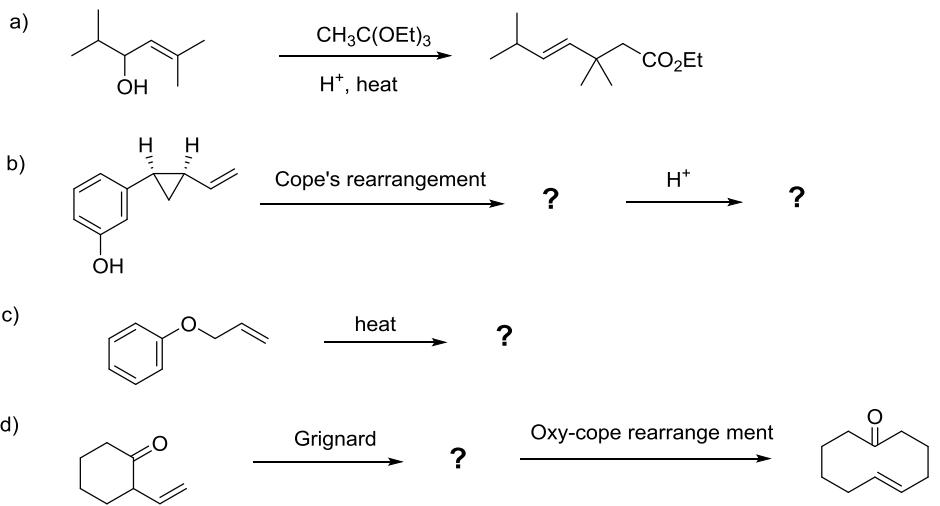


Problems - Set 11: Rearrangements

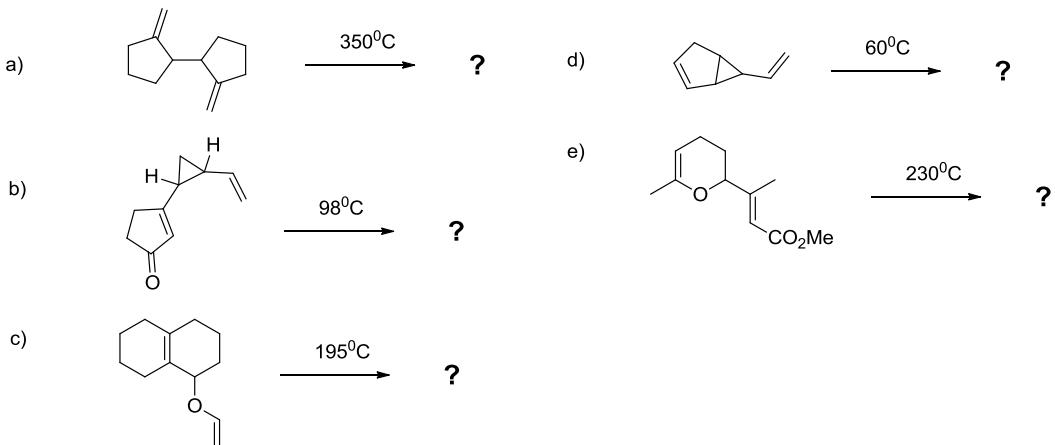
Problem 1

Complete the following transformations and explain by giving detailed mechanisms.



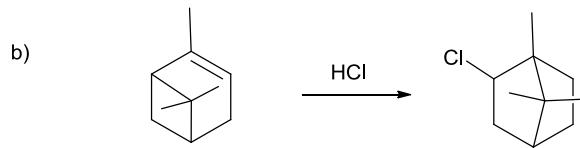
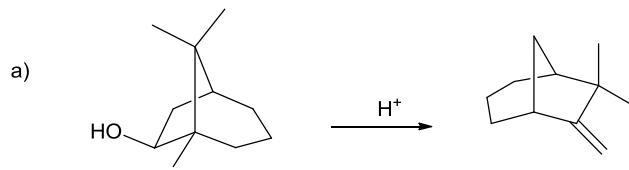
Problem 2

Find the structure of products after submitting the following compounds to high temperature.



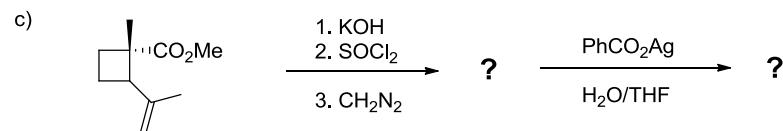
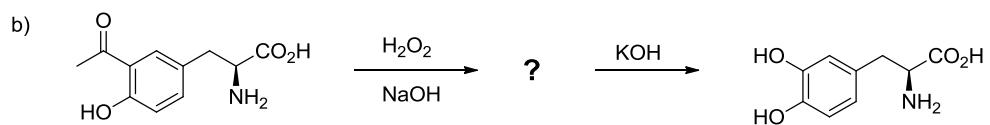
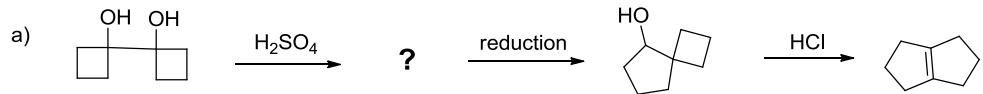
Problem 3

Propose mechanisms for the following transformations.



Problem 4

Complete the following transformations and explain by giving detailed mechanisms.



Problem 5

Find the structure of products for each of the following reactions.

