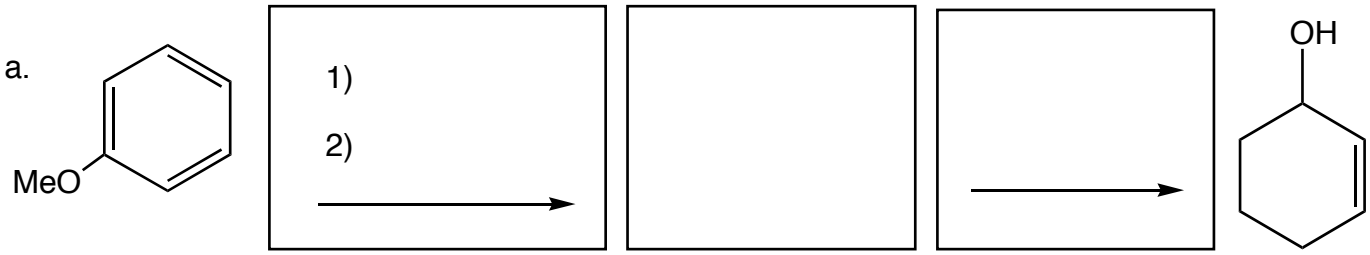
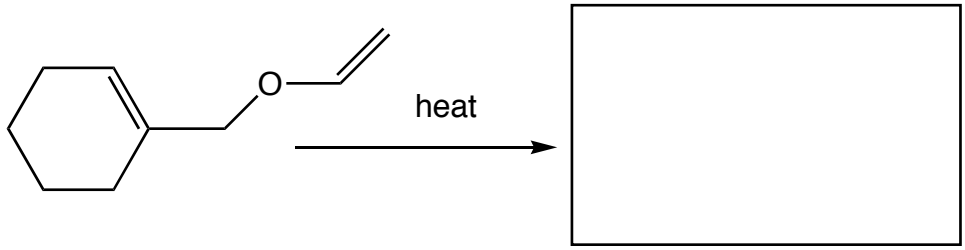
Name _____

3) (24 points) Give starting materials, reagents, or products in the boxes for the following reactions after workup. Show stereochemistry when appropriate.

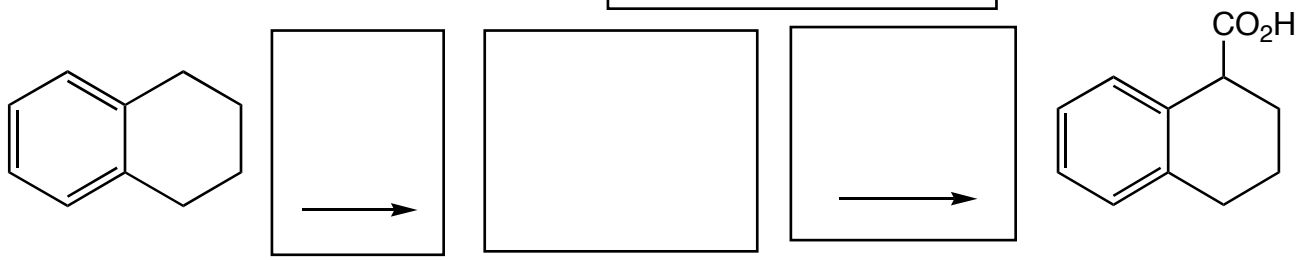
a.



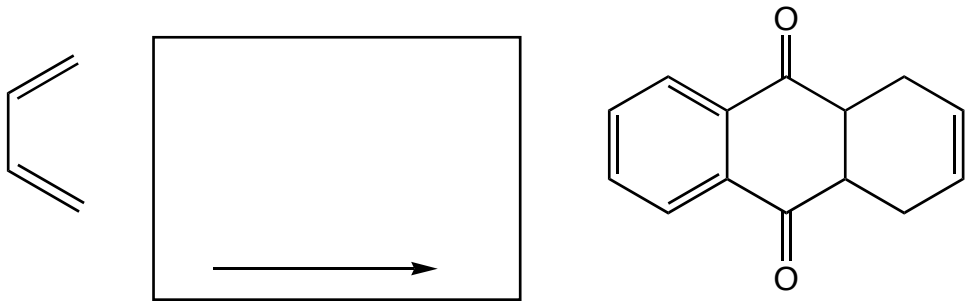
b.



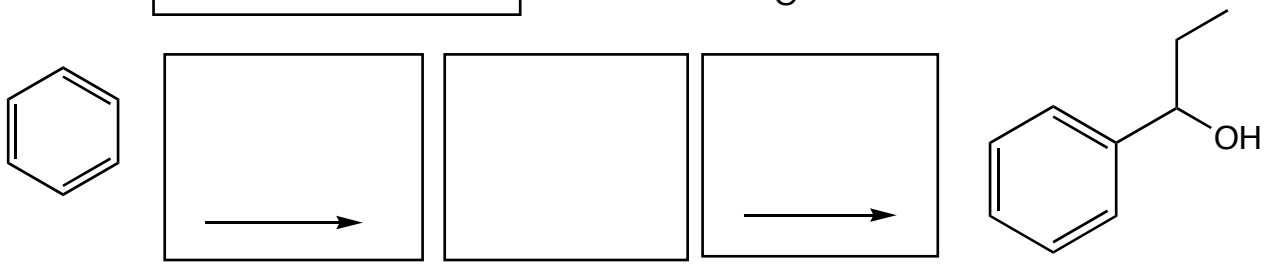
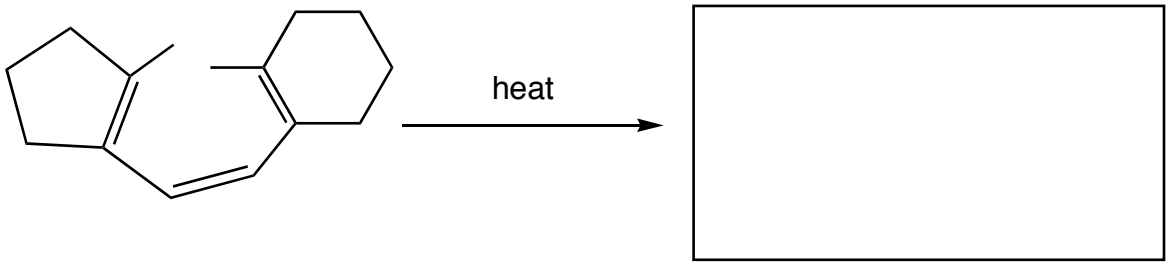
c.



d.



e.



f.