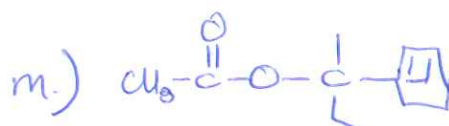
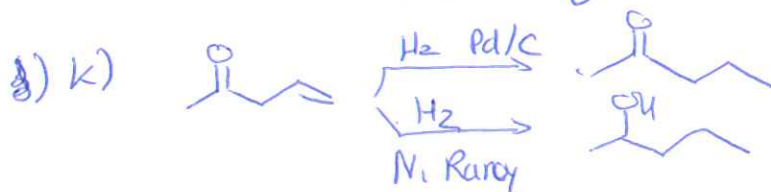
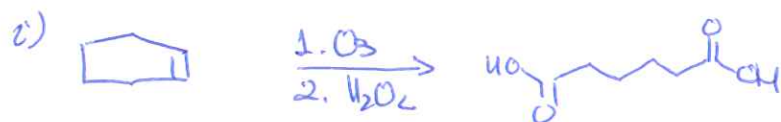
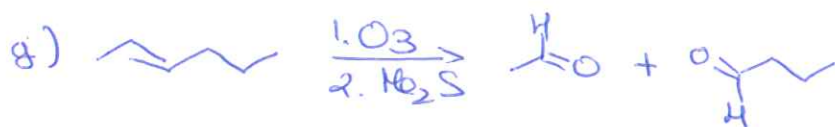
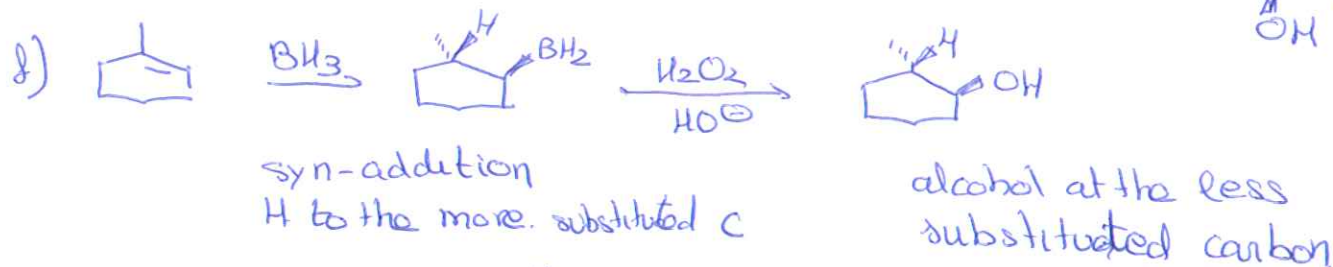
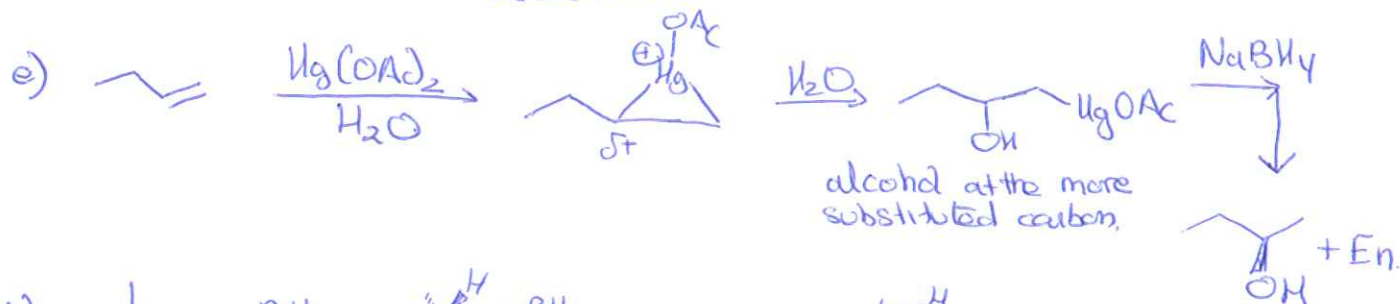
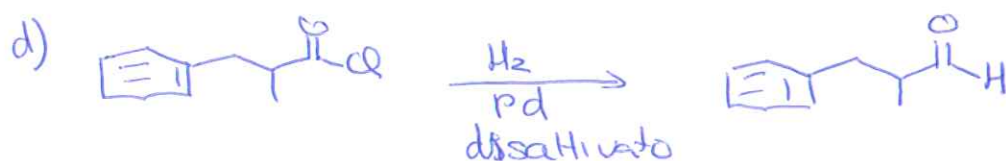
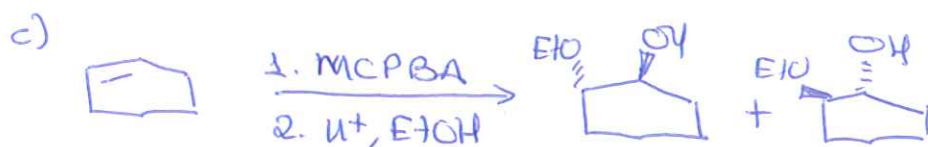
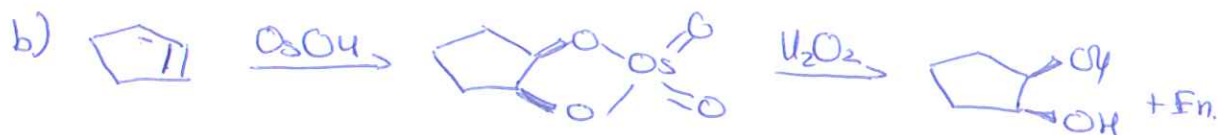
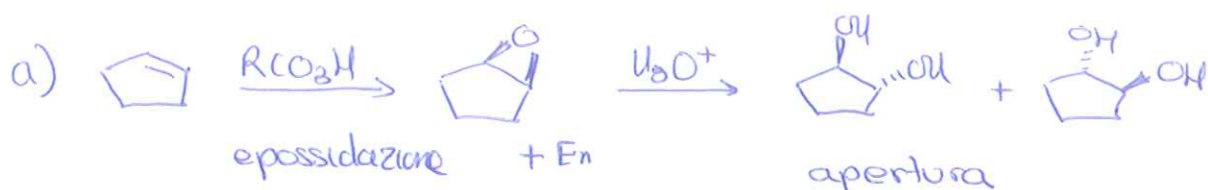
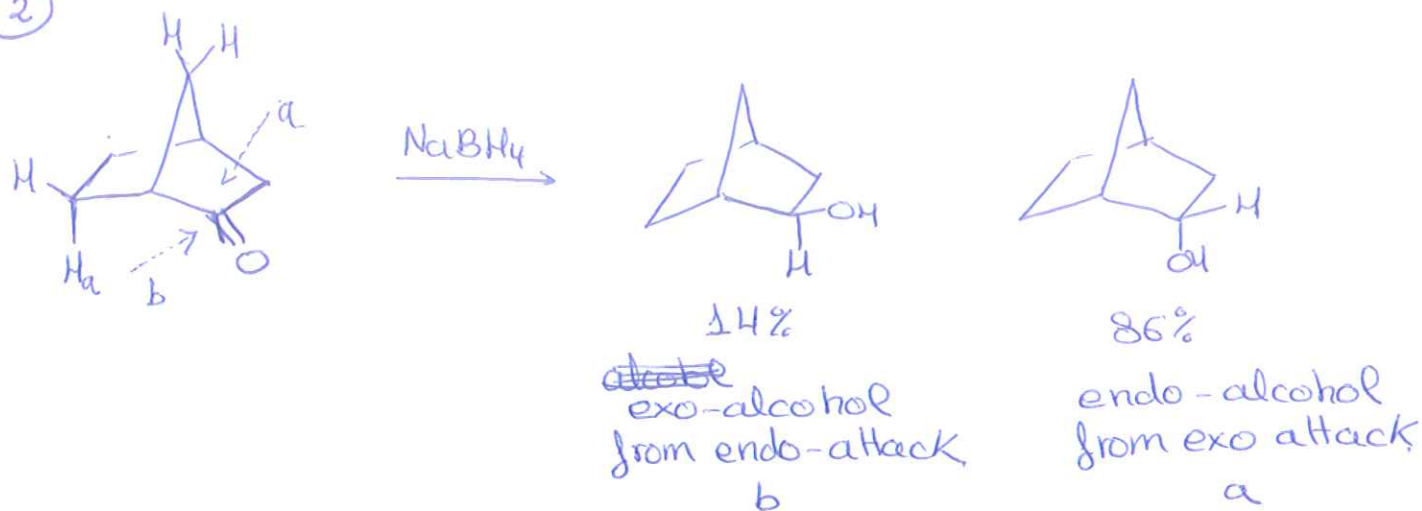


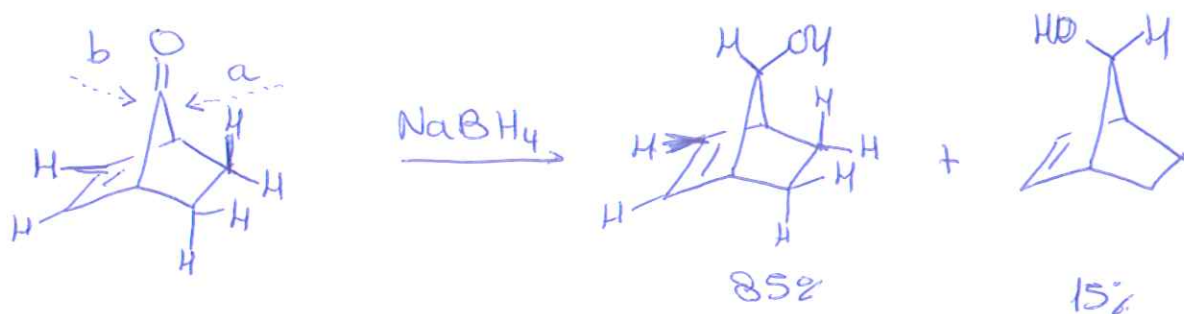
①



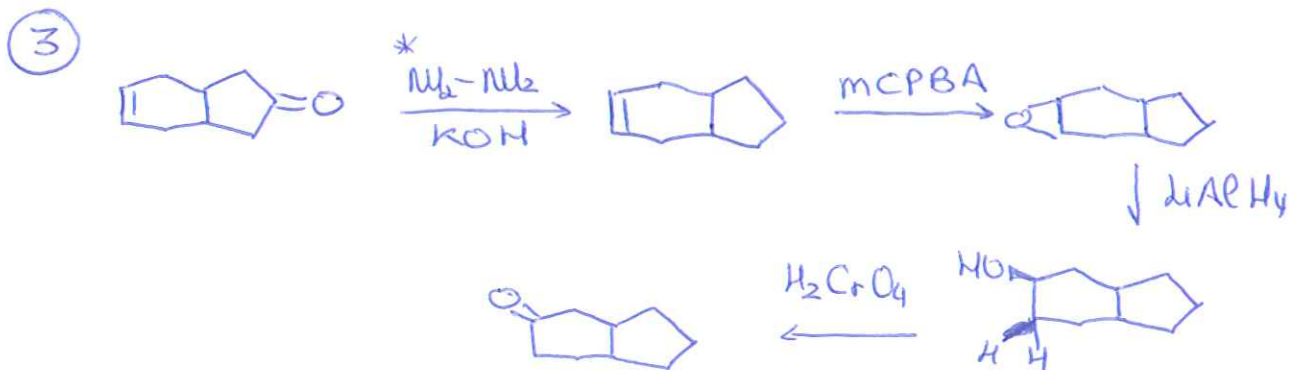
2



The endo H_a provides enough steric encumbrance, so path a (exo-attack) is preferred.

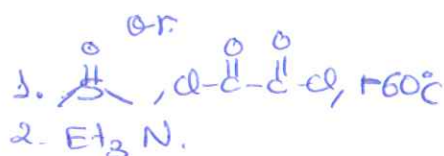
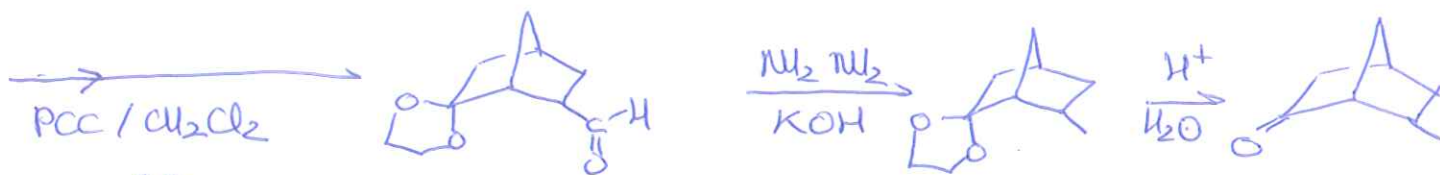
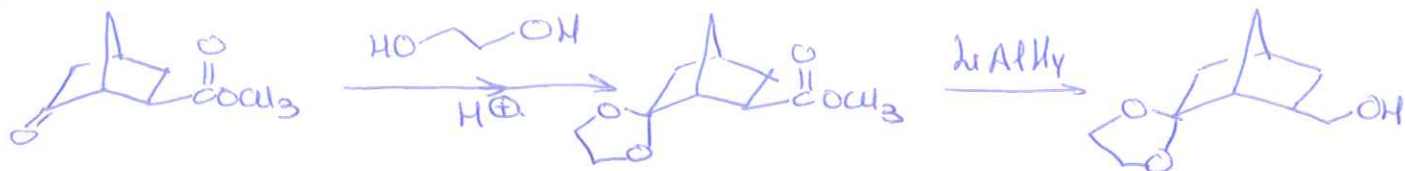


Path b preferred, because of less steric hindrance.



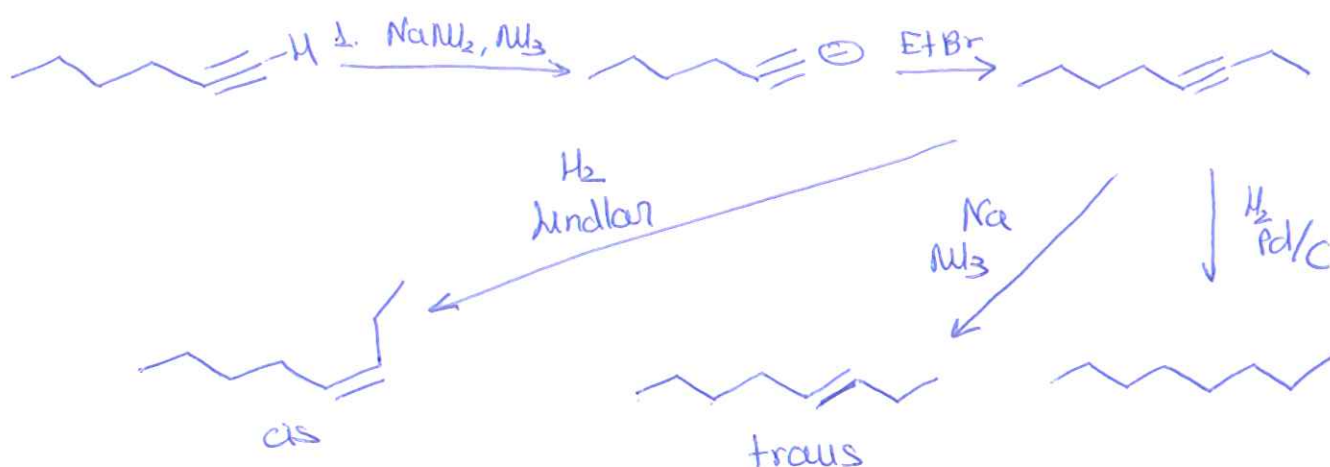
Wolff-Kishner reduction + epoxidation + epoxide ring-opening + alcohol oxidation

4

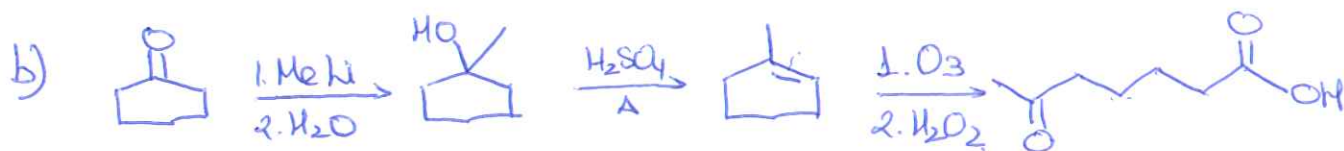
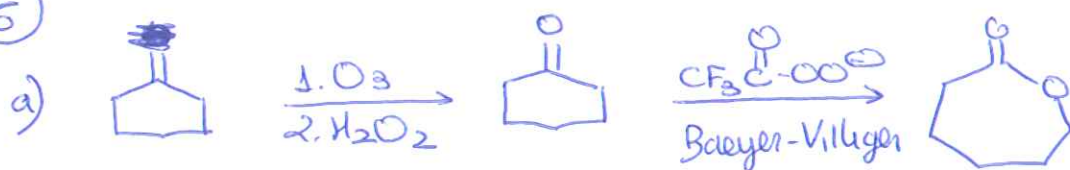


↳ Swern oxidation

5



6



I cannot use here the Baeyer-Villiger because gives 2 products



7

