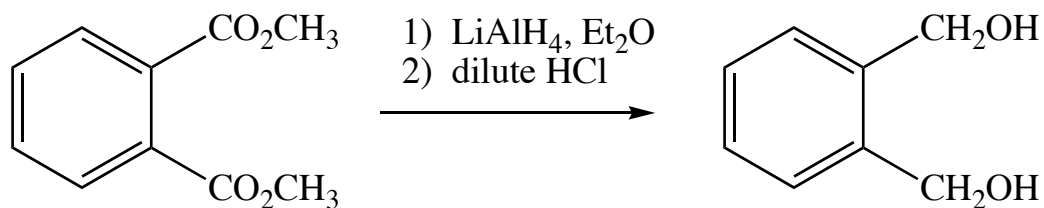
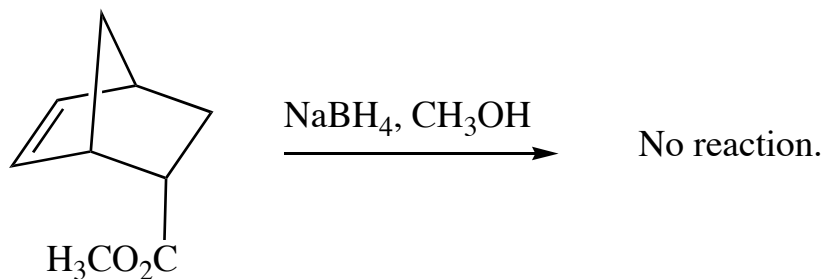
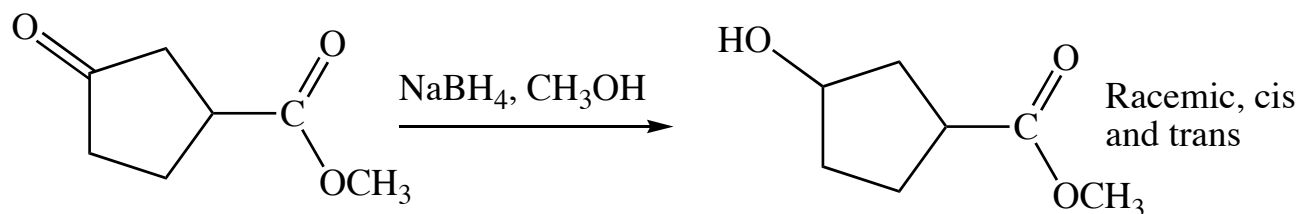
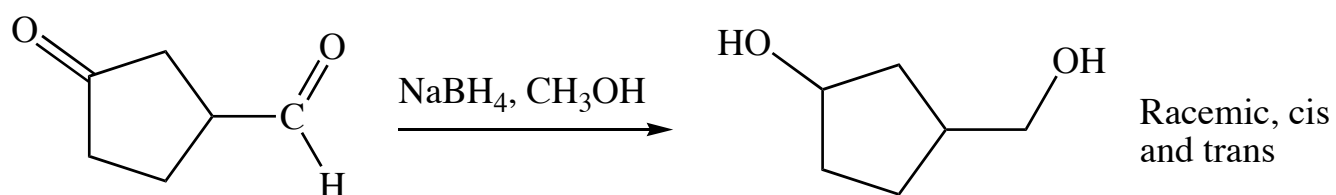
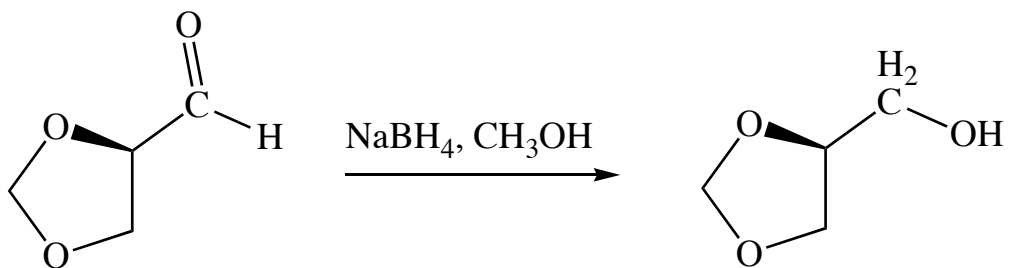
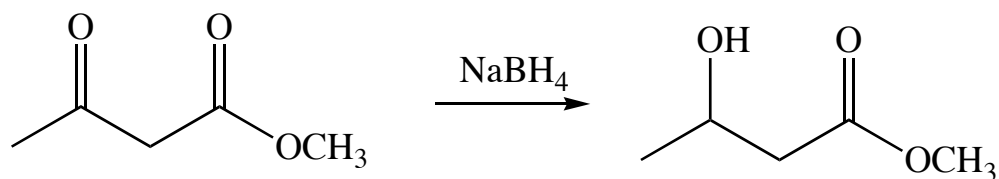
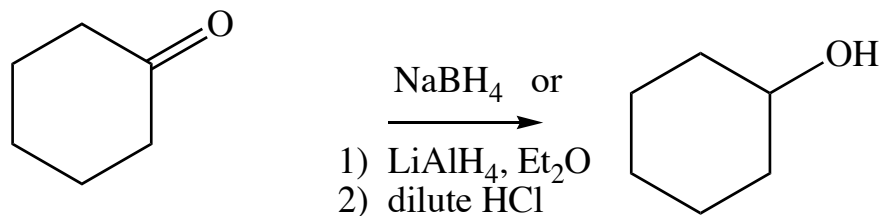
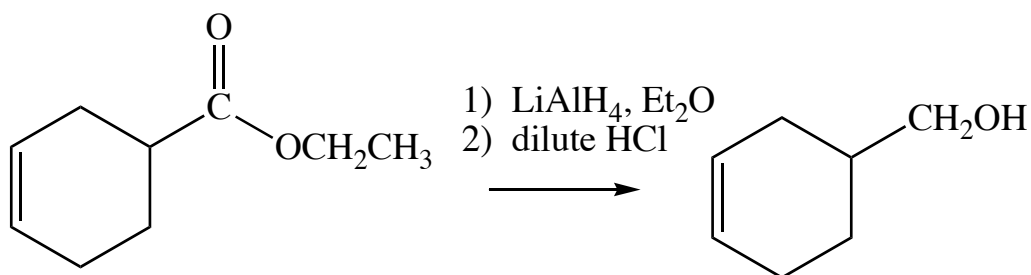


### Exercise 99A - Hydride reductions

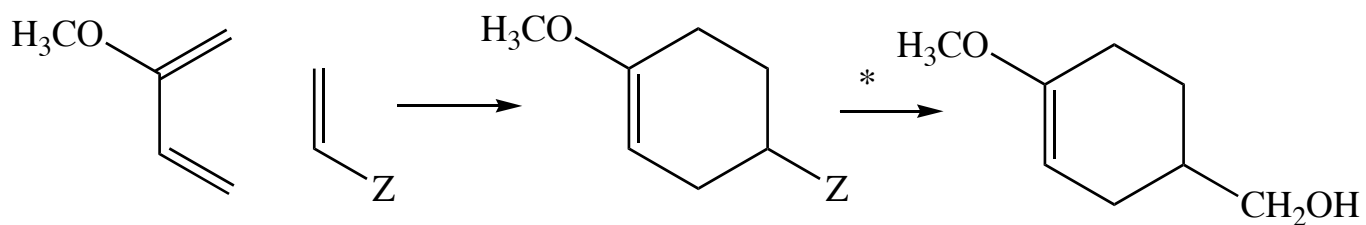
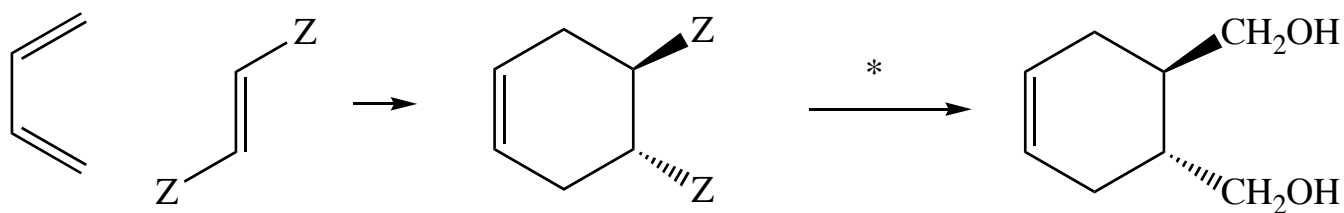
What is the product of the following reactions? Watch out for stereochemical implications.



Fill in the missing reactant or reagent in the following reactions.



Propose multi-step syntheses of the following, starting with a Diels-Alder reaction.



Z = CHO or CO<sub>2</sub>R

\* If Z = CHO, then NaBH<sub>4</sub> or LiAlH<sub>4</sub>. IF Z = CO<sub>2</sub>R, then LiAlH<sub>4</sub>