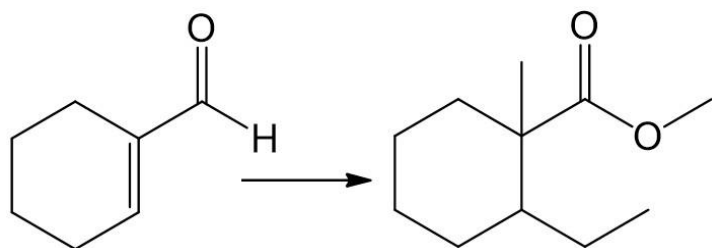
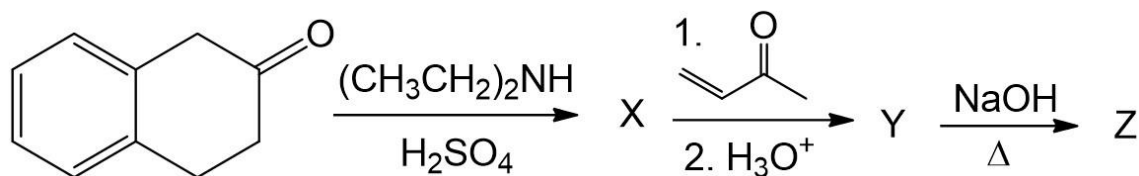


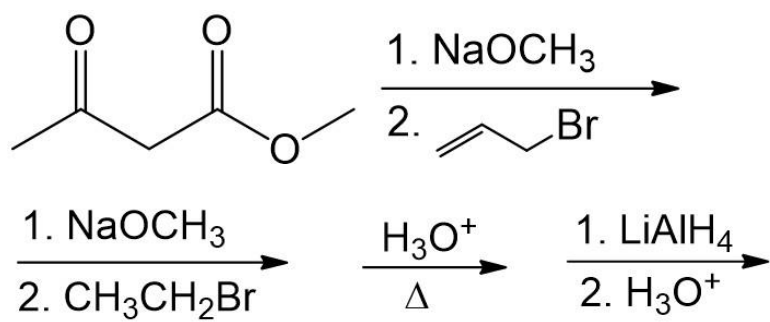
1) What reagents are needed to carry out the conversion shown?



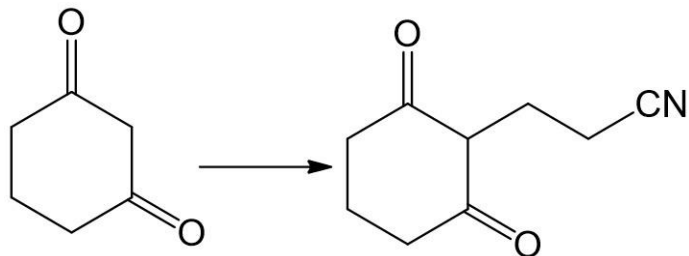
2) What are the structures of the intermediates and the final product in the reaction sequence shown?



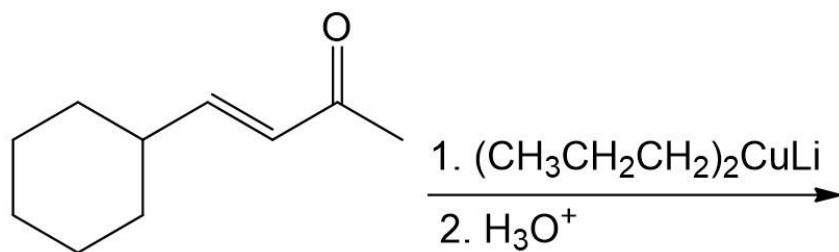
3) What is the predicted product of the reaction shown?



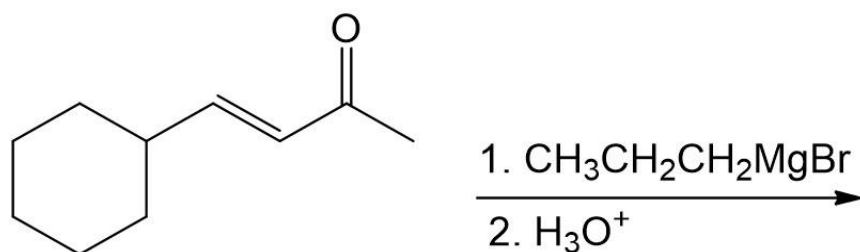
4) What reagents are needed to carry out the conversion shown?



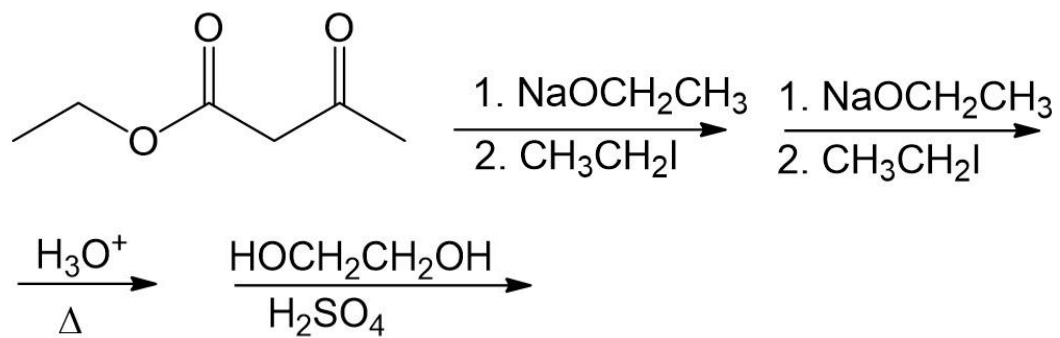
5) What is(are) the predicted product(s) of the reaction shown?



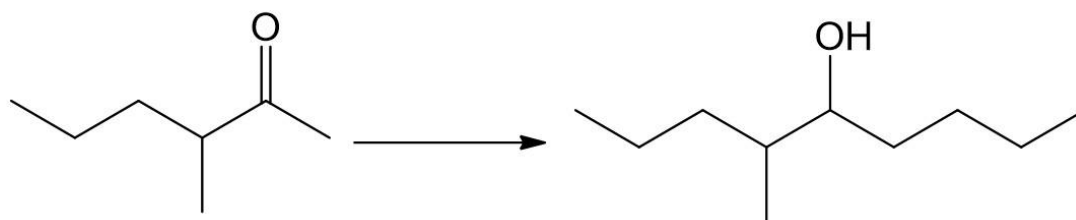
6) What is(are) the predicted product(s) of the reaction shown?



7) What is the predicted product of the reaction sequence shown?



8) What reagents are needed to carry out the conversion shown?



9) What is the major predicted product of the reaction shown?

