

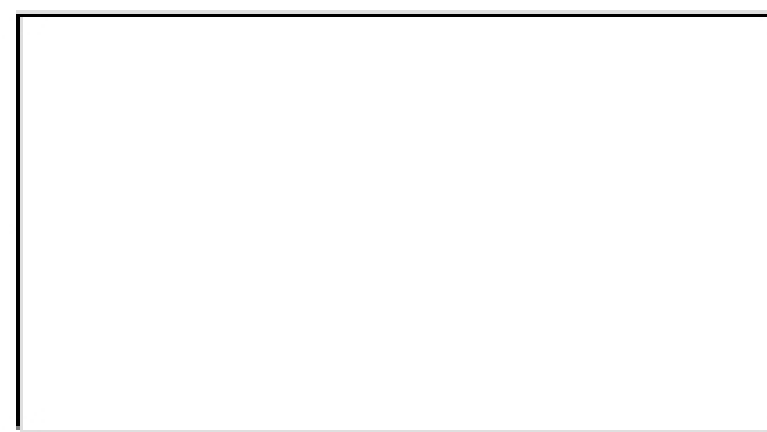
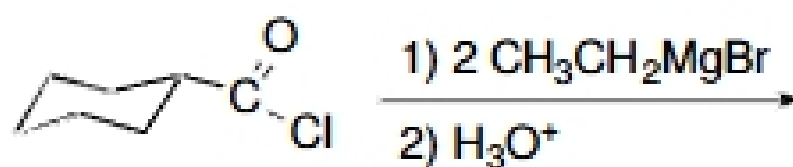
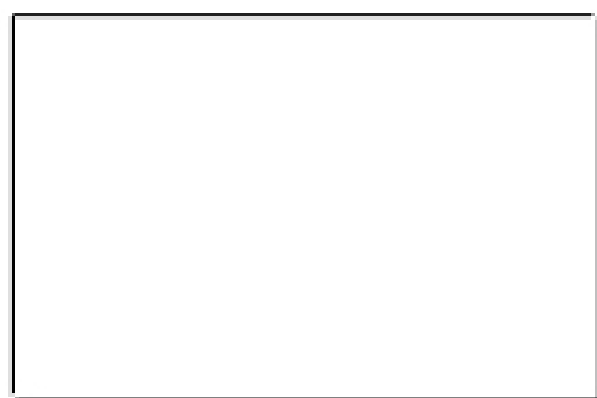
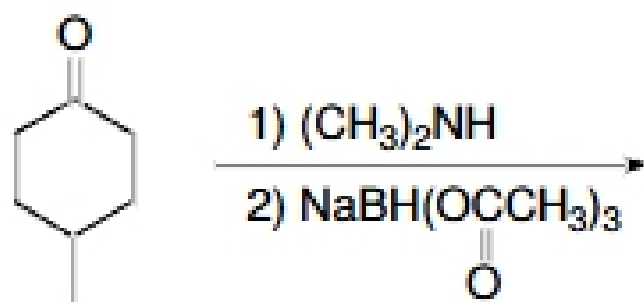
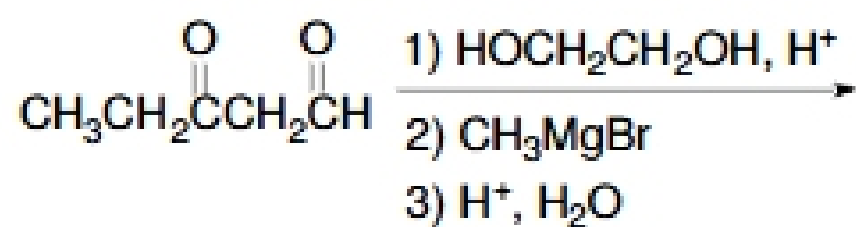
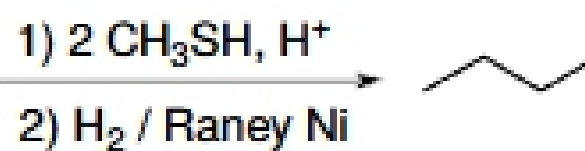
CHM 2212-Organic Chemistry II

Practice quiz

April 4, 2002

Recitation #10 (covering material through section 17.10)

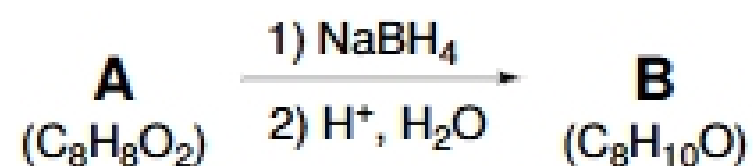
1. Provide the missing product(s) or starting material(s).



2. Outline a synthetic sequence to accomplish the following transformation:



3. Compound **A** ($\text{C}_8\text{H}_8\text{O}_2$) can be reduced with NaBH_4 followed by an H_3O^+ work-up to give product **B** ($\text{C}_8\text{H}_{10}\text{O}$):



The IR, ^1H NMR, and ^{13}C NMR spectra for **B** are given on the following pages. Deduce the structures of both **B** and **A**.