

CHM 202-01

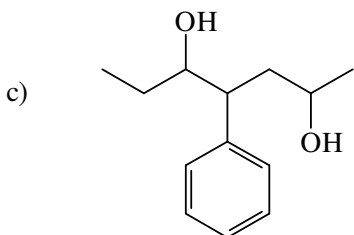
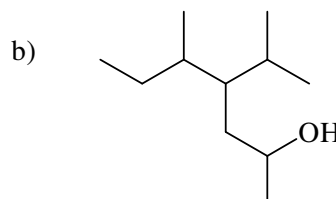
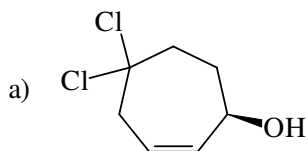
Name _____

Take-home quiz 1 – 51 pts

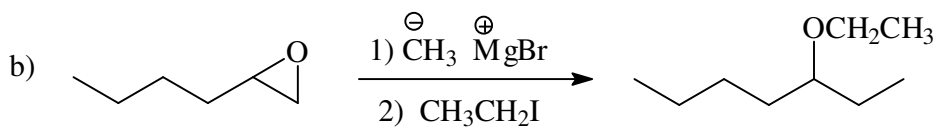
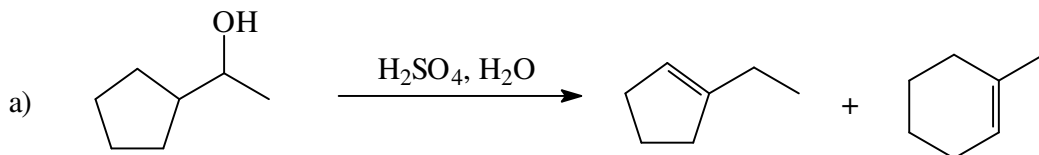
Due Friday, Jan. 31, 2014 at 11:00AM

You are to work individually. You may use your book, notes and ppt. slides. **You may not collaborate.**

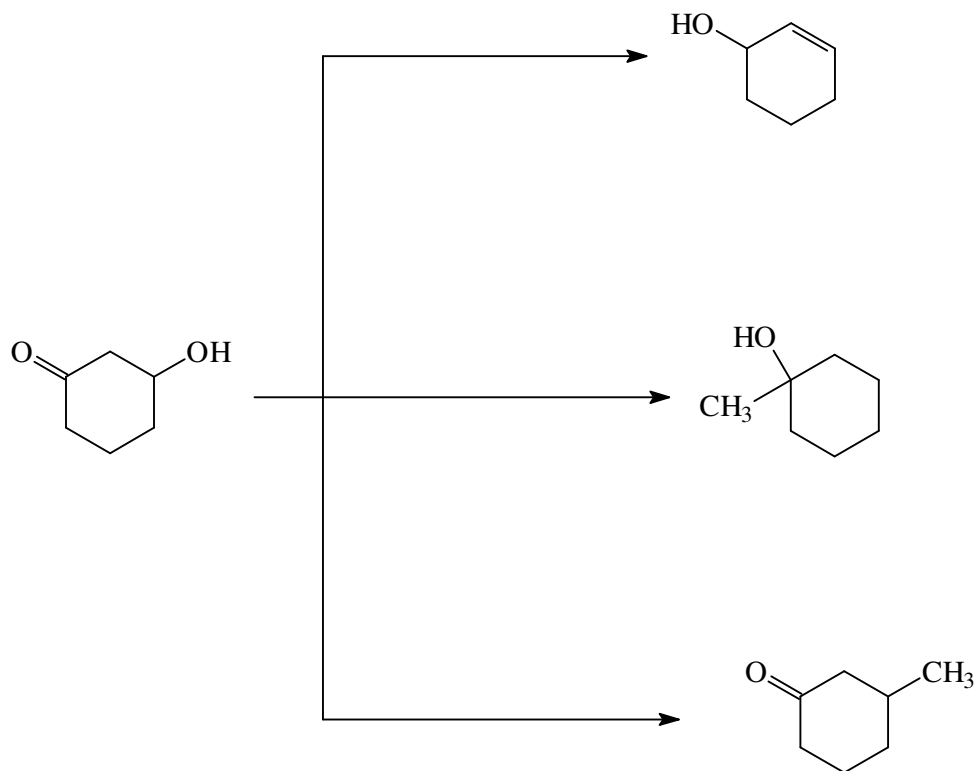
1.(12) Give the I.U.P.A.C. names of the following compounds.



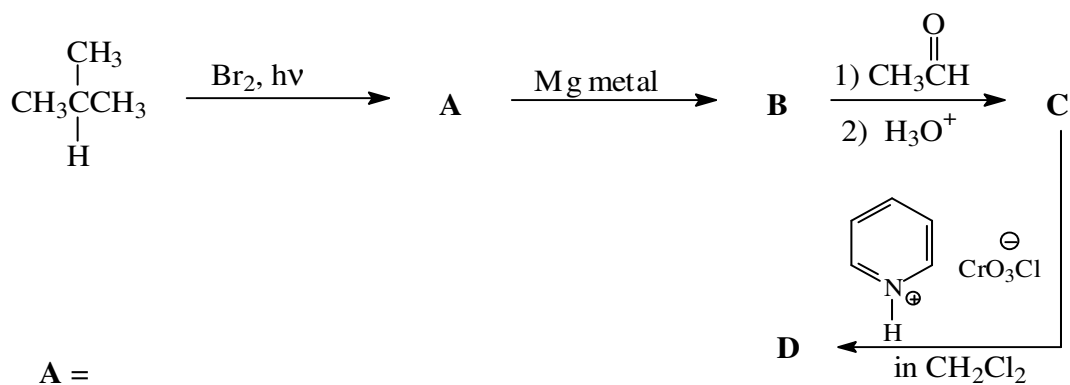
2.(12) Provide complete mechanisms for the following reactions. Use arrows to indicate electron flow, show all intermediates and use only the reagents provided (or generated).



3.(15) Provide a sequence of chemical steps (in order, separated by numbers) needed to carry out the following syntheses all starting from **3-hydroxycyclohexanone**.



4.(12) Draw the structures of compounds **A-D** in the following synthesis:



A =

B =

C =

D =