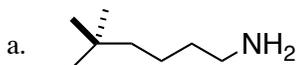


Fall 2006

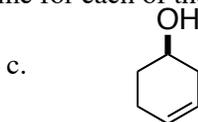
Homework #2

due: 10 a.m. Mon. Sep. 12th

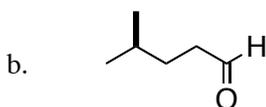
1. (12 points) Write the correct IUPAC name for each of the following:



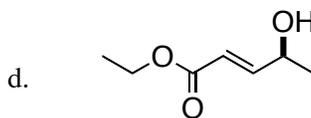
5,5-dimethylhexanamine



(1R)-3-cyclohexenol

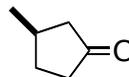
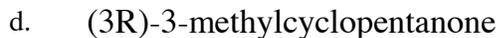
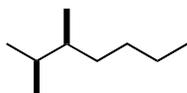
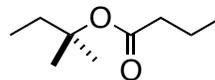
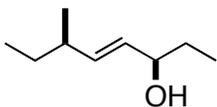


4-methylpentanal

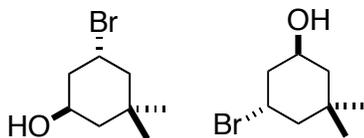


ethyl (4S)-(2E)-4-hydroxy-2-pentenoate

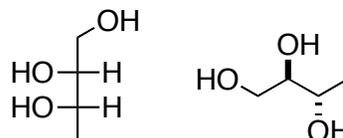
2. (12 points) Draw the structure corresponding to the name given. Please show all stereochemistry clearly.



3. (6 points) For each pair, indicate whether they are diastereomers, enantiomers or the same.



enantiomers



same