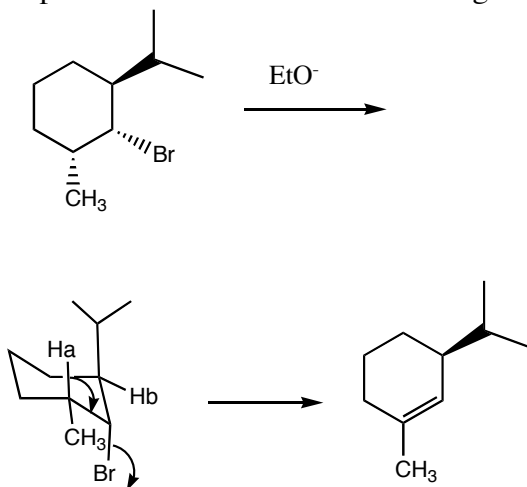
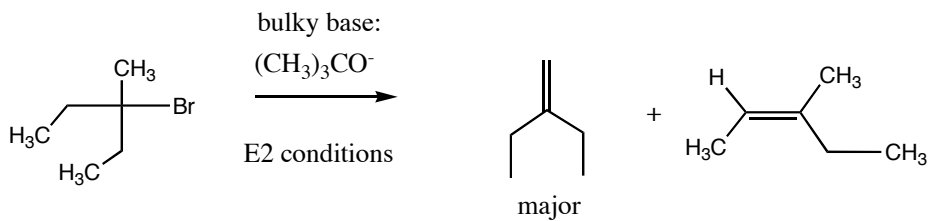
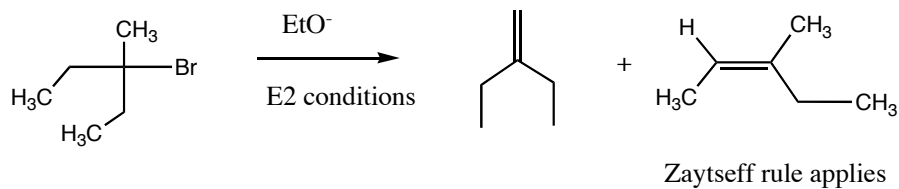
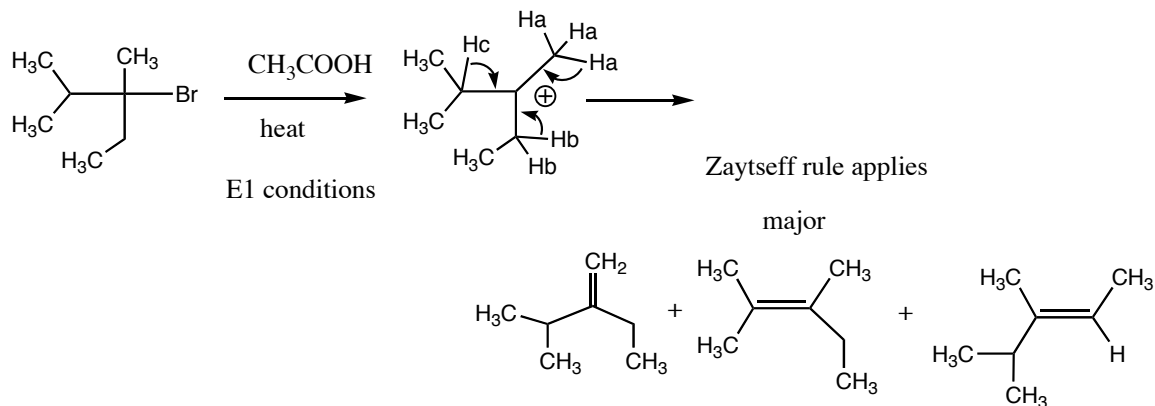


Additional Problems for practice:

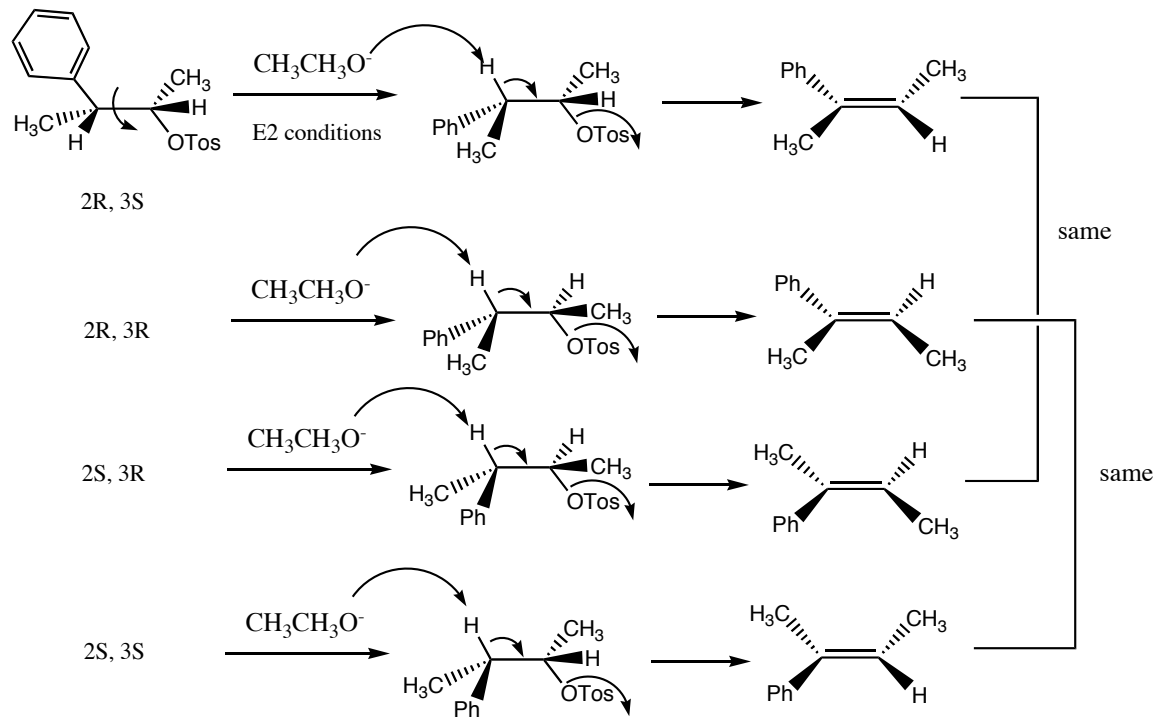
1.) Predict the major alkene product from each of the following eliminations:



only Ha can eliminate: trans diaxial to Br

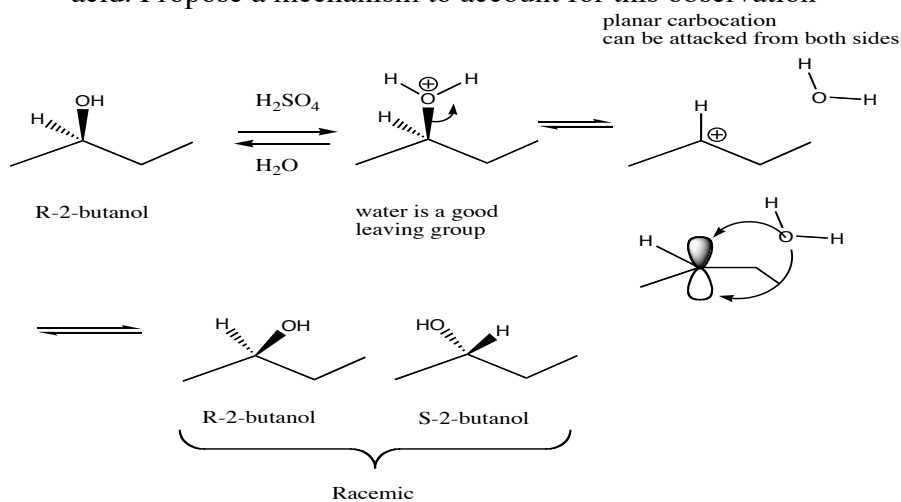


- 2.) Show the structure and stereochemistry of the alkenes that result from elimination of the following 3-phenyl-2 butanol tosylates:  
 OTos is a good leaving group, just like "Cl" or "Br"



note: elimination of enantiomeric tosylates (such as 2R, 3S and 2S, 3R) leads to the same alkene

- 3.) Optically active 2-butanol slowly racemizes on standing in dilute sulfuric acid. Propose a mechanism to account for this observation



4) Account for the different outcomes when menthyl chloride is subjected to the following conditions:

