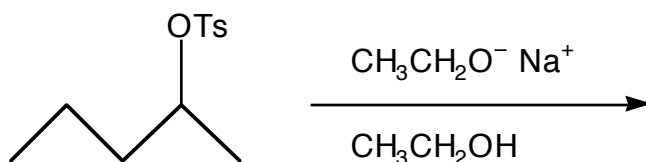


Problem 61, Chemistry 301X - 2006

1.) Predict the products of the reaction shown below.



2.) Draw Newman Projections of conformations leading to all stereoisomers of the alkene products and label each isomer as *E* or *Z*. Sight down the newly forming double bond in each case.

3.) Based on the conformations you have drawn in (2), which isomer is most likely to predominate and why?