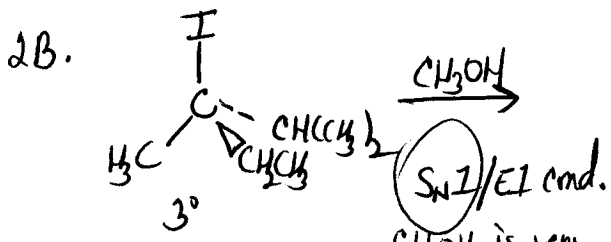
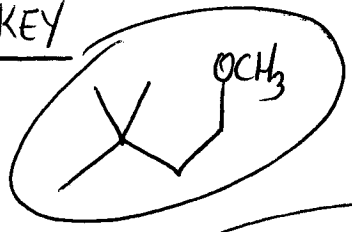
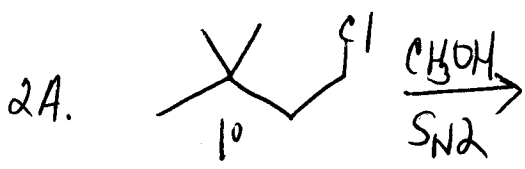
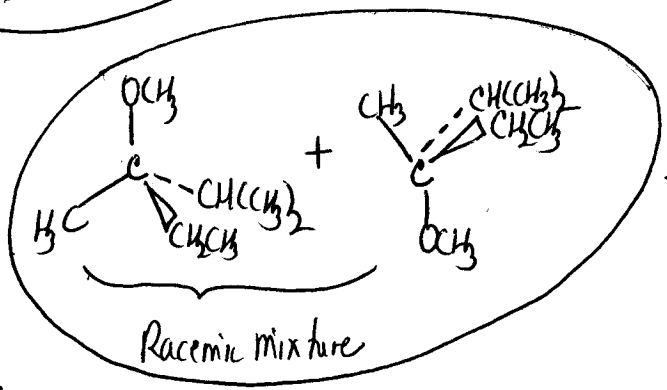


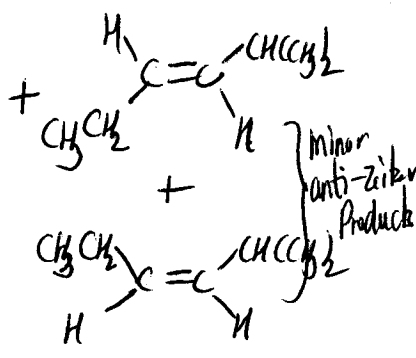
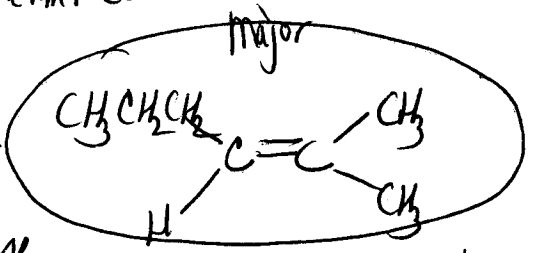
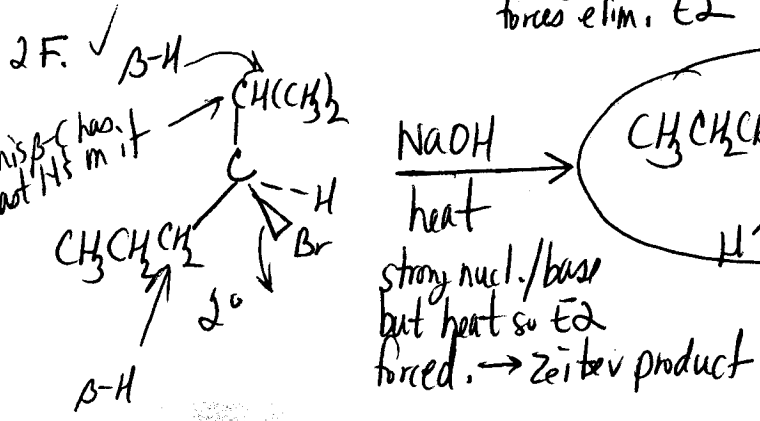
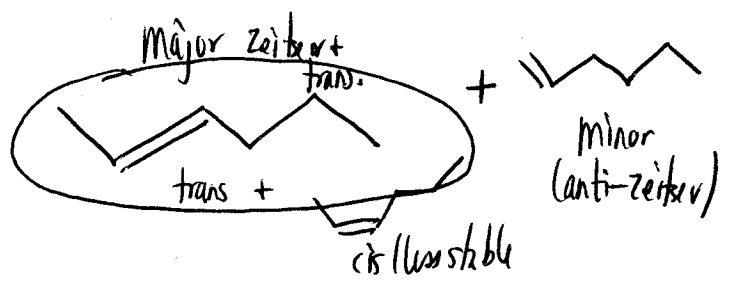
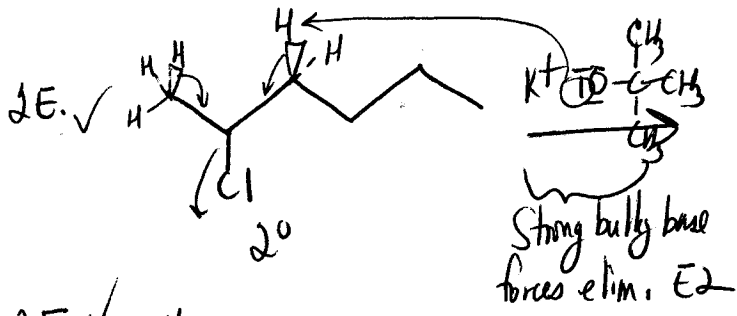
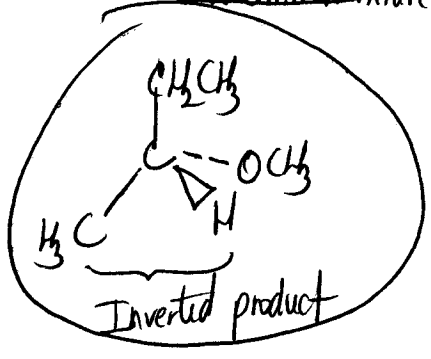
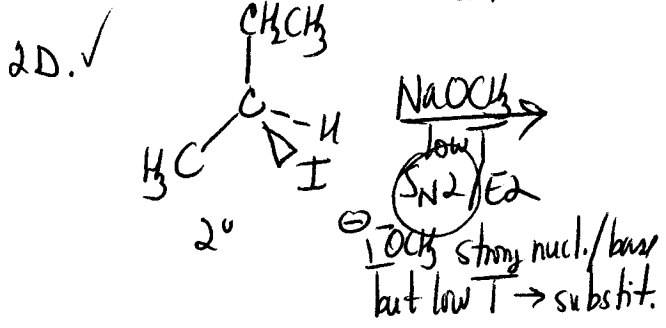
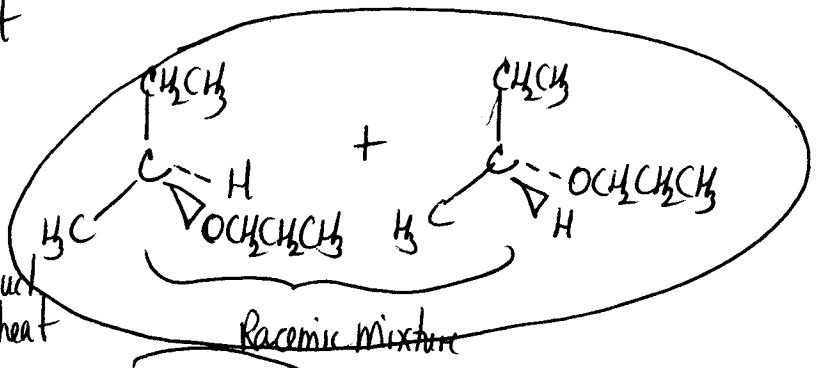
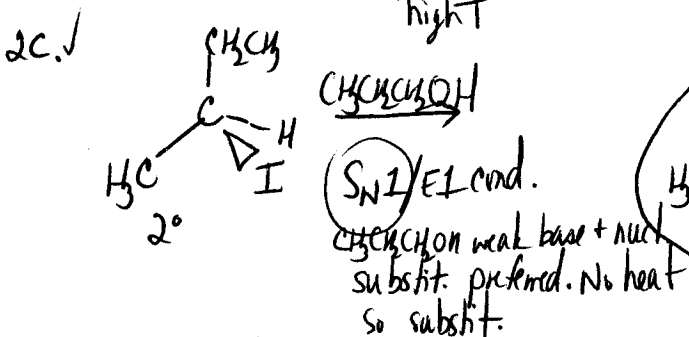
Chem 231  
 Problem Set #6 KEY

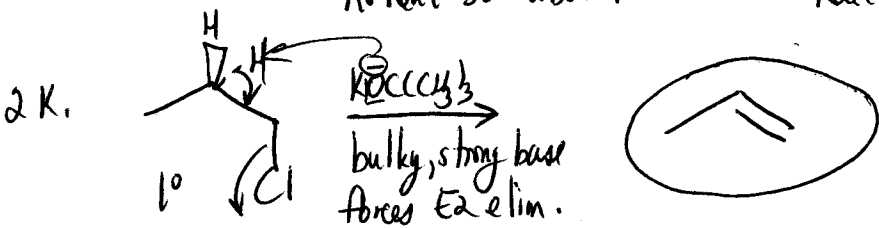
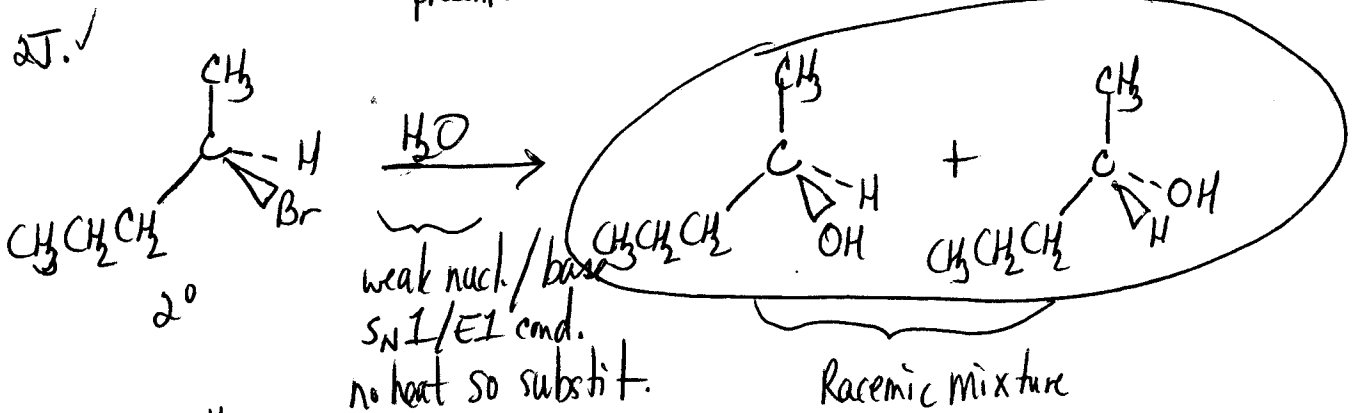
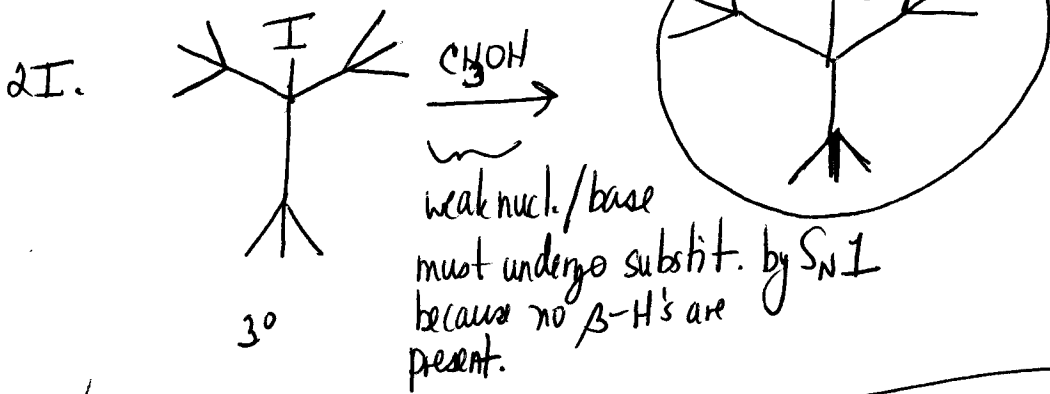
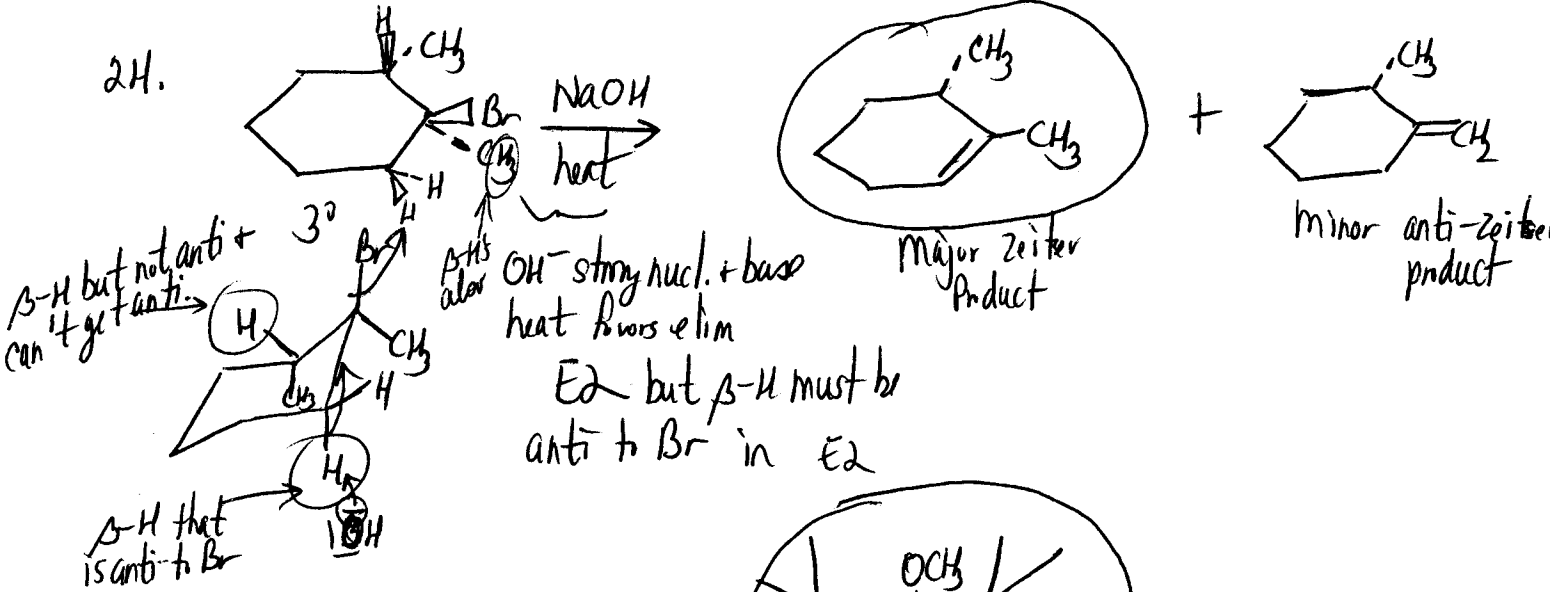
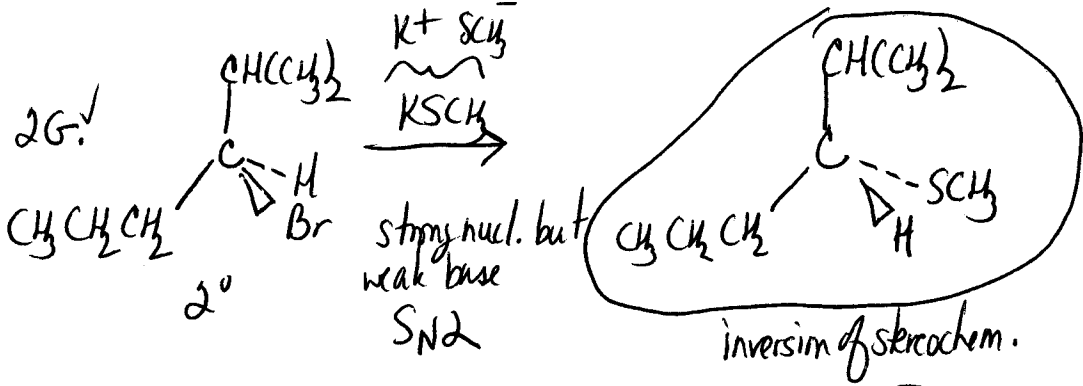


CH<sub>3</sub>OH is very weak base & the substit. will be preferred, unless at high T

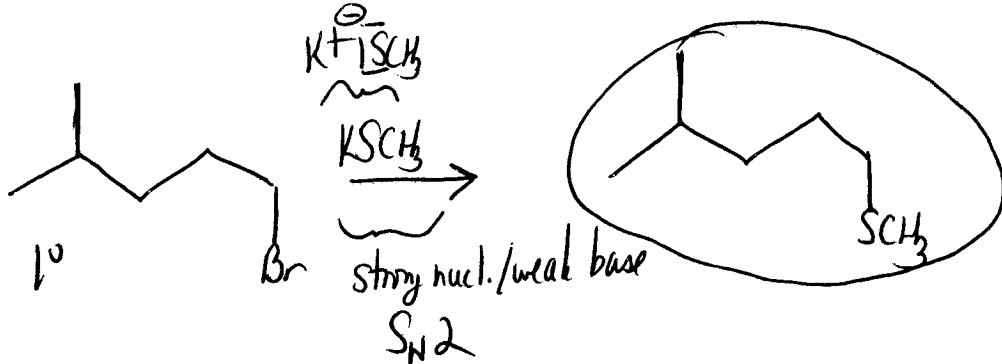


+ some E1 elim. product.

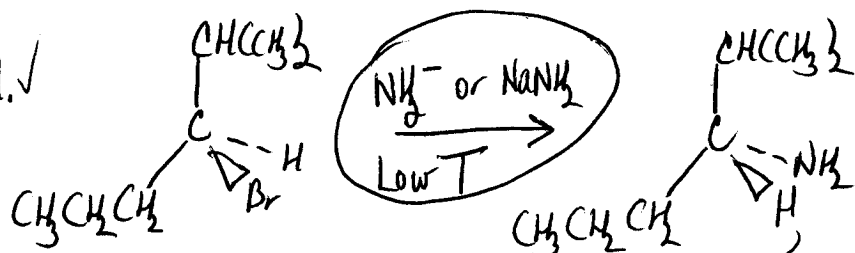




2L.



2M. ✓



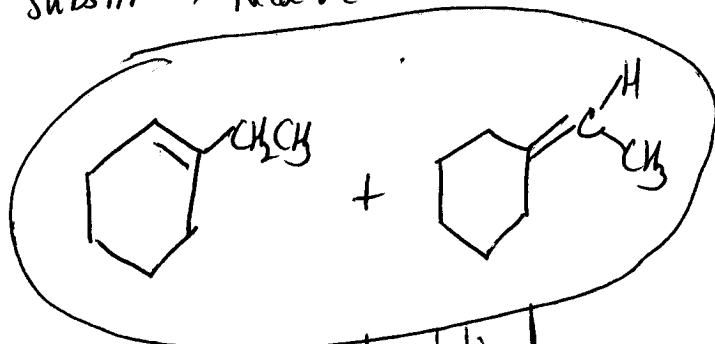
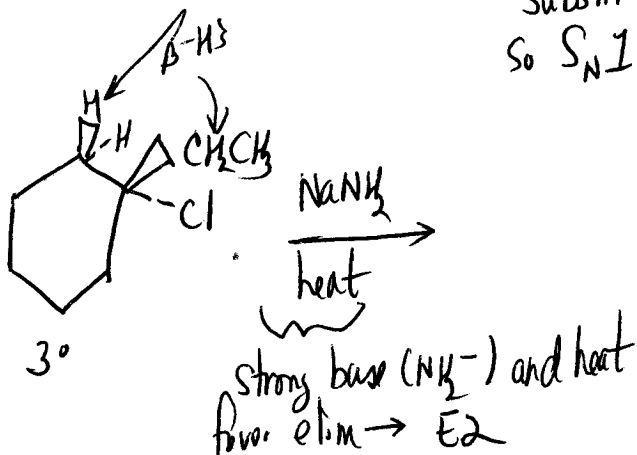
Substitution product + only obtained inverted stereochem so  $\text{S}_{\text{N}}2$  substit.  $\rightarrow$  Need strong nucleophile.

2N. ✓



Substit. product + obtained racemization. so  $\text{S}_{\text{N}}1$  substit.  $\rightarrow$  Need weak nucleophile.

2O.



Both products obtained  
 Both obey Zaitsev rule + are substituted w/ 3 R-groups.