

Last Name:

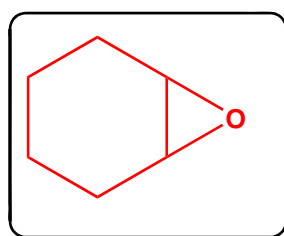
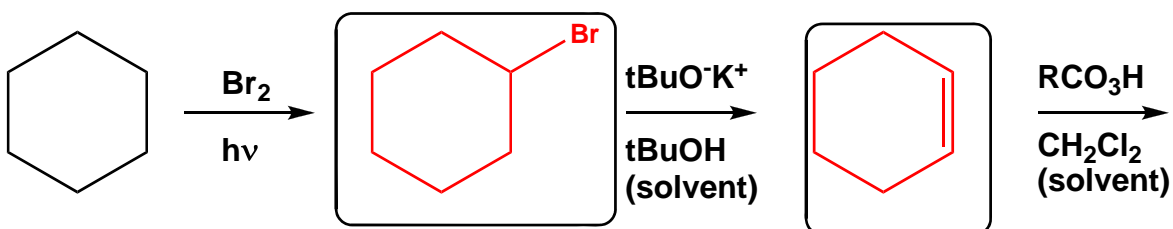
First Name:

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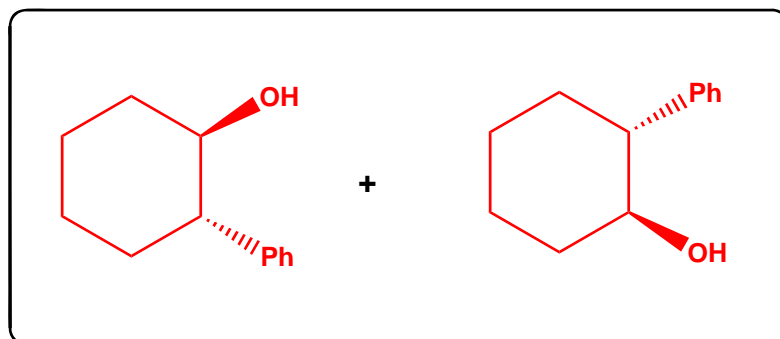
SCORE: KEY

Deadline for CH 310 POW 4: Sept 28, 2009 3:00 PM

Multi-step synthesis: Provide products for the following sequence of reactions. Draw each product in the box provided and indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)



1) PhMgBr
2) HCl/H2O



Provide the Wittig (or a related reagent, e.g. Horner Emmons) for the following conversions (2 pt ea.):

