

Last Name:

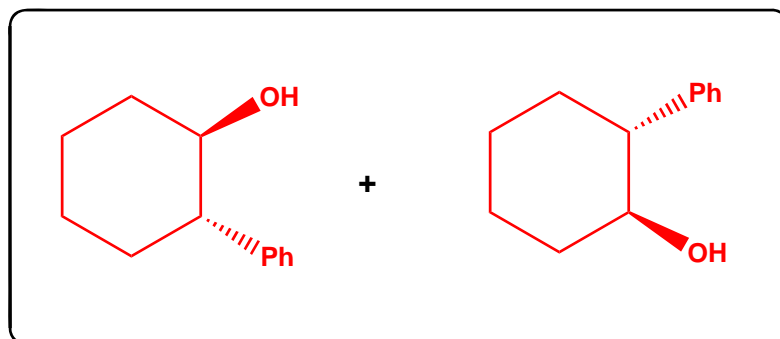
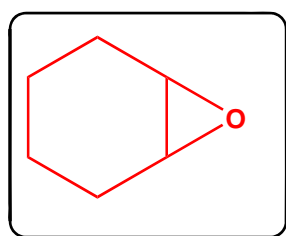
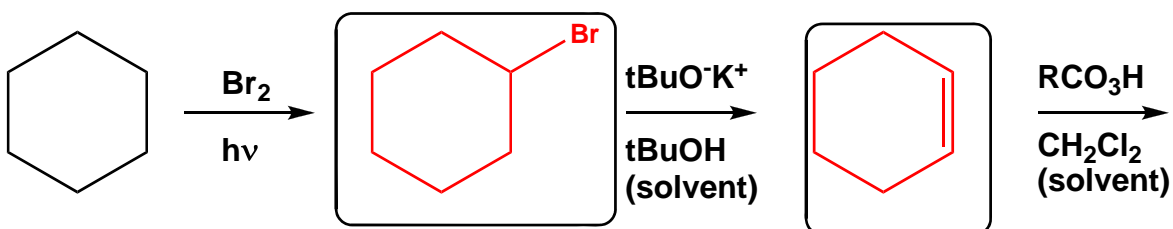
First Name:

UTEID:

SCORE: KEY

Deadline for CH 318 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*)



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

