

Last Name:

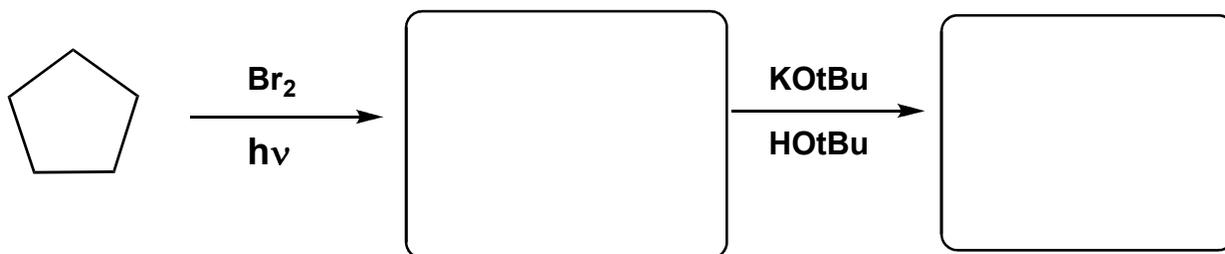
First Name:

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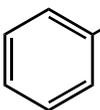
Deadline for CH310N HW 4: Oct 3 3:00 PM

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



$\text{ArCO}_3\text{H}$   
 $\text{CH}_2\text{Cl}_2$



1)  MgBr  
2)  $\text{H}_3\text{O}^+$



Must show correct stereochemistry

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**Multi-step synthesis:** Provide products for the following sequence of reactions. Provide the reagents (boxes) or intermediates (rounded boxes). Indicate stereochemistry, if any is involved. (*Hint: refer to Rxn Summary handout*)

