

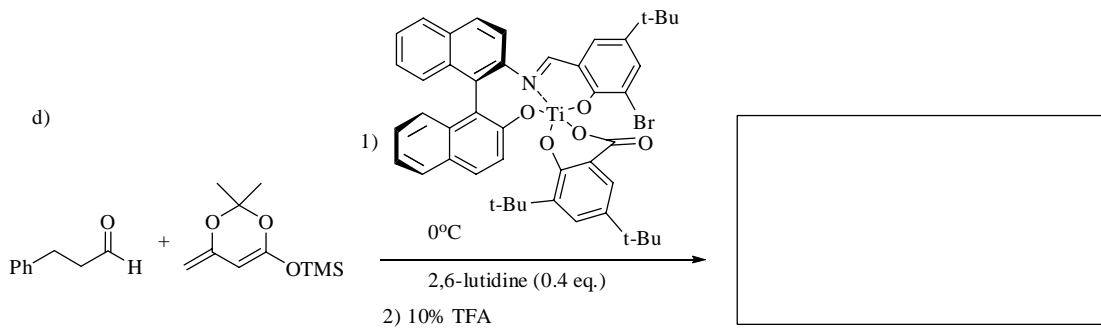
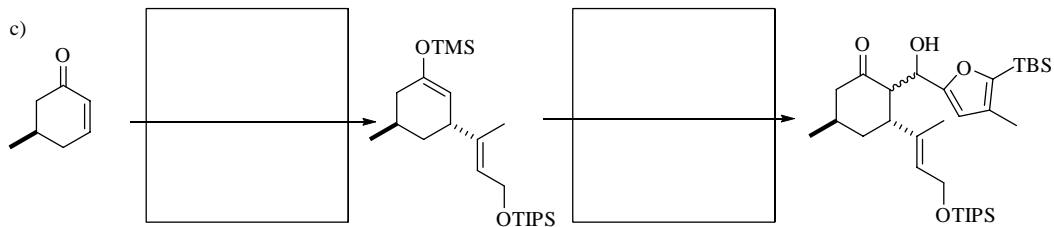
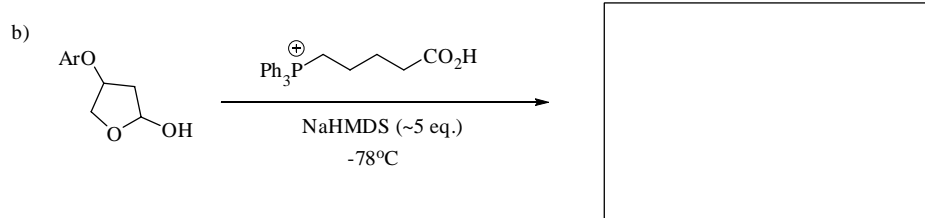
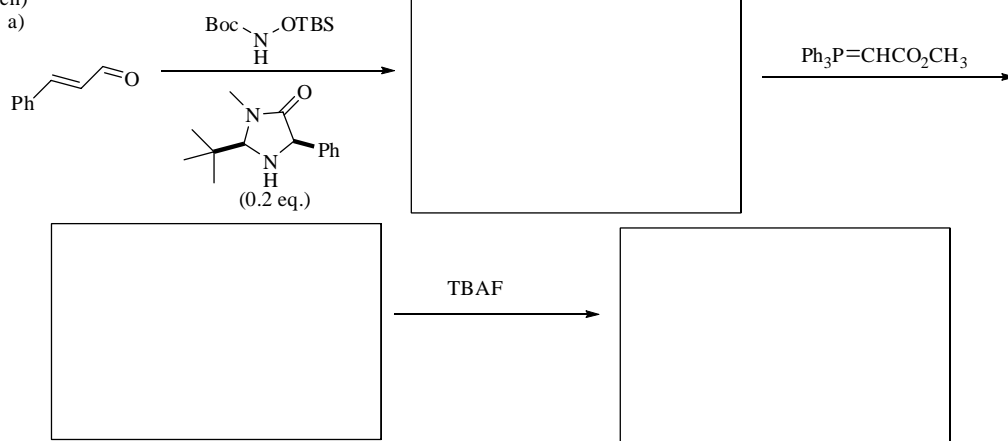
Advanced Organic Chemistry

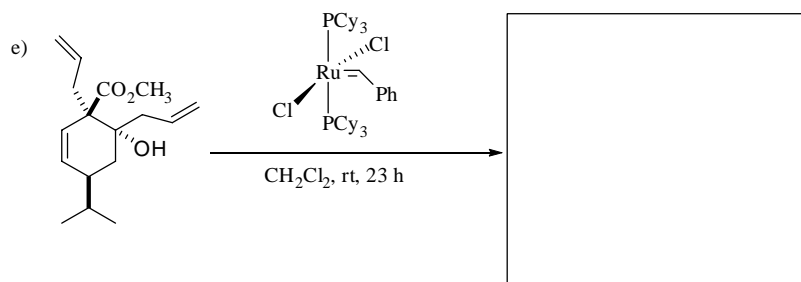
Problem Set #3

Due: Oct. 4, 2007

Name: \_\_\_\_\_

1. Complete the following reactions by providing reagents or products in the box. Include stereochemistry where appropriate. (2 pts. each)





2. Choose one reaction from question 1 and show the mechanism of the C-C bond forming step. You do not need to worry about explaining stereoselective processes and you may use abbreviations where appropriate. (3 pts. UG; 5 pts. grad students) BONUS: Do a second mechanism for up to 4 additional points.

3. Suggest steps to transform the molecule on the left to the molecule on the right. (3 pts. UG; 5 pts. grad students)

