

Advanced Organic Chemistry

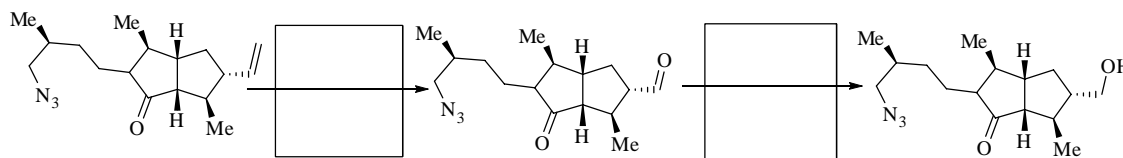
Problem Set #5

Due: Nov. 6, 2007

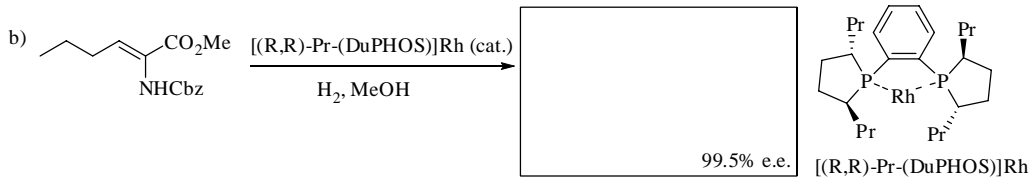
Name: _____

1. Complete the following reactions by providing reagents or products in the box. Include stereochemistry where appropriate. (2 pts. each) *Undergraduates complete 8 of 10. Graduate students must do all 10.*

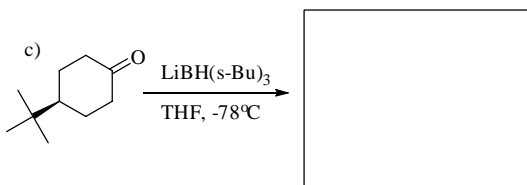
a)



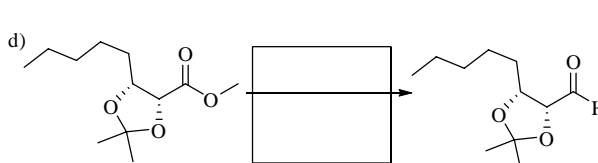
b)



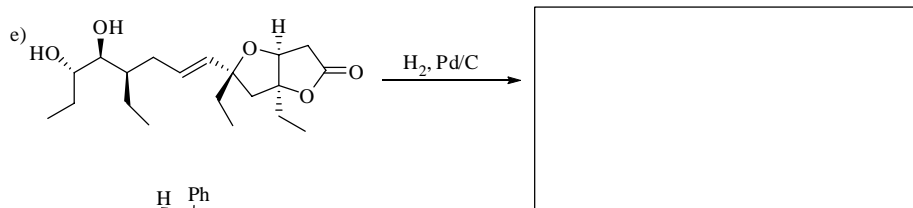
c)



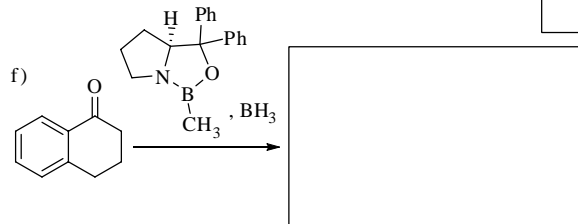
d)



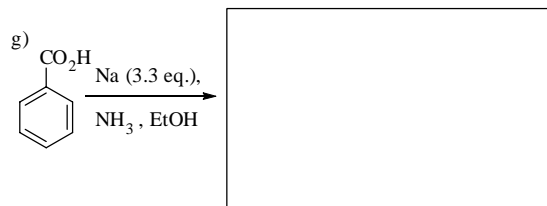
e)



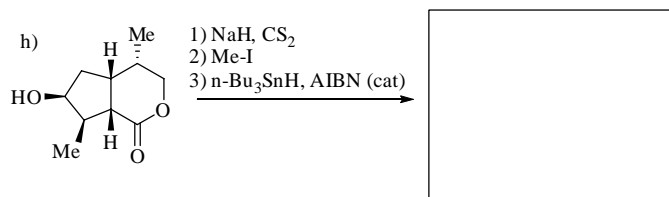
f)



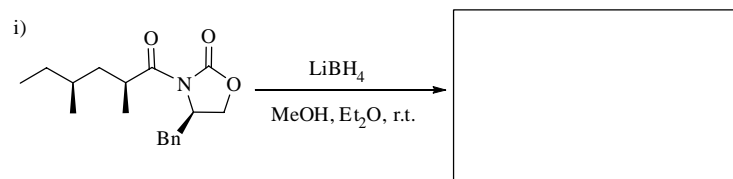
g)



h)



i)



2. Suggest a series of reactions to transform the starting material on the left to the product on the right. (5 pts. each)

