Chem 41c Quiz 4

Stoltz, Spring 2005 May 8, 2005

Predict the products (if any) of the following reactions: (5 points each)

1.

2.

3.

3. mild H₃O⁺ work-up

draw all four possible stereoisomers

4.

5 point bonus: what is the structure of LDA?

Bonus (5 points)

Predict the two major stereoisomeric products in problem 3 based on the discussions we had in class of closed transition states. What is the ration of these products formed in the reaction?