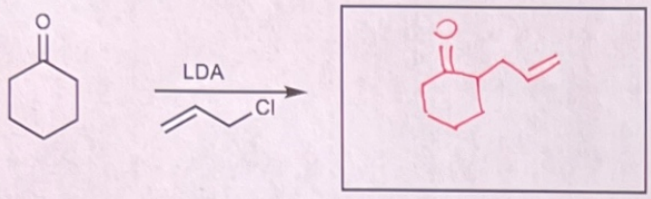
Name: Jeff Chan

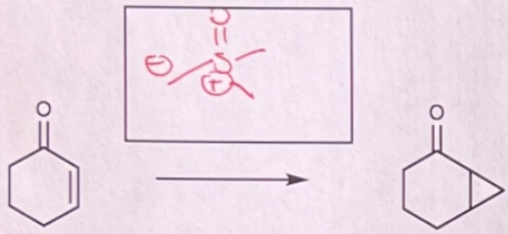
UIN: _____

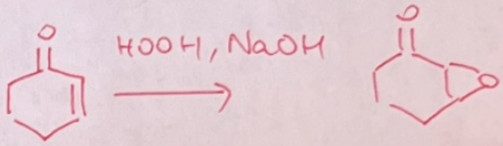
Chem 436 – Spring 2023

Midterm #3

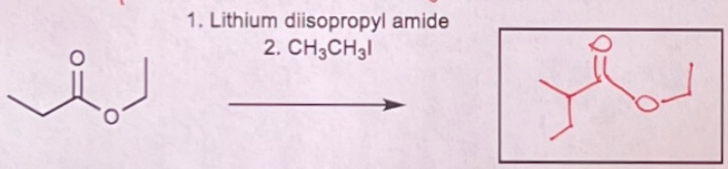
1) Fill in the blanks with the appropriate reagents and/or major product. (4 pts per Q, total 40)

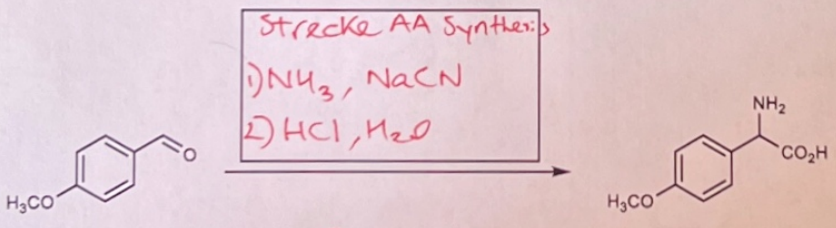


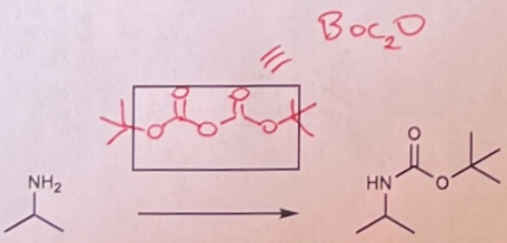


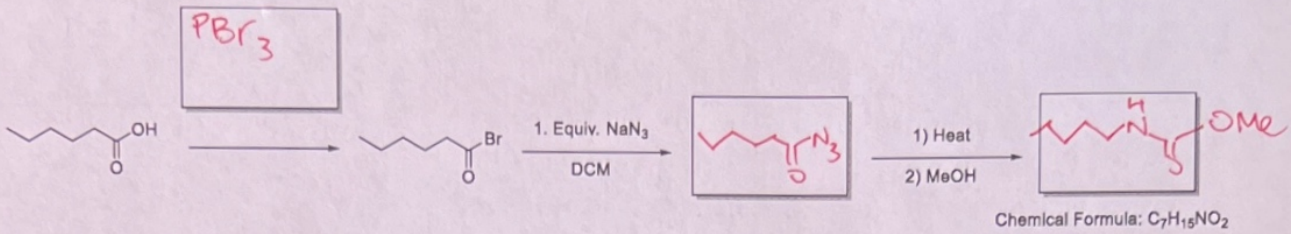


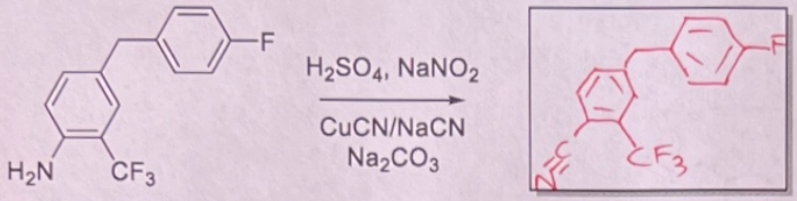
* the product was supposed to be an epoxide, see right hand side

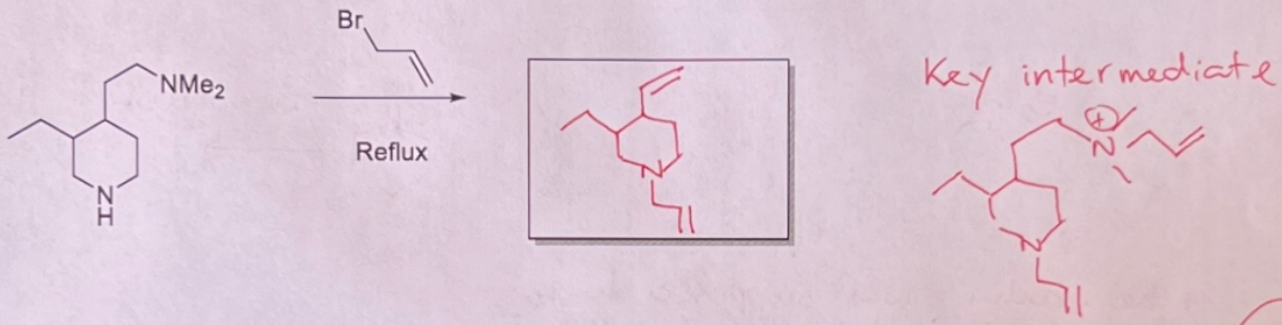




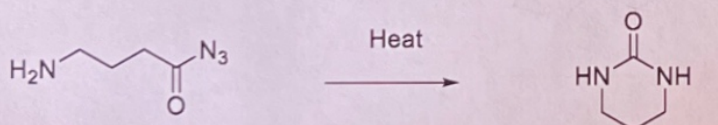


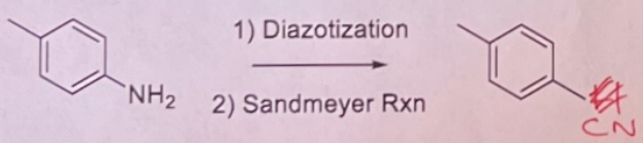


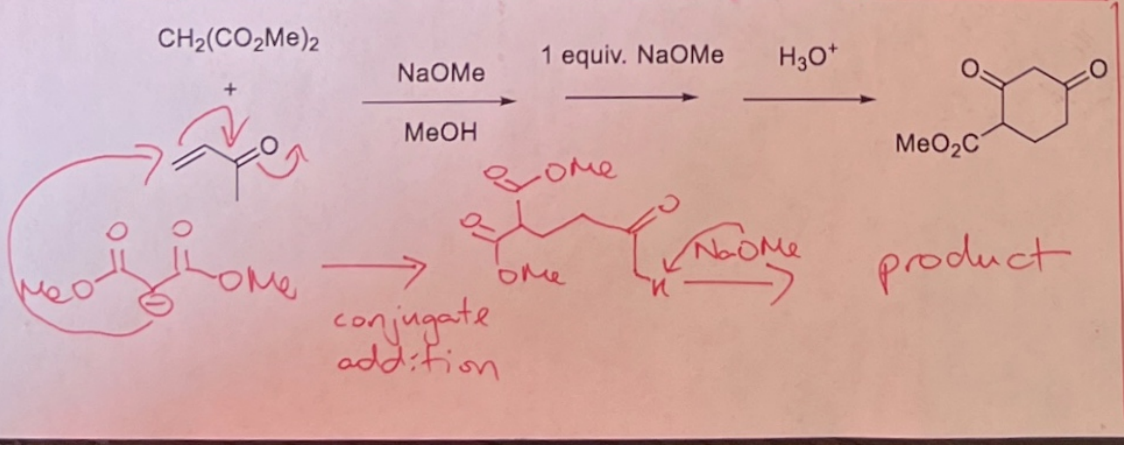


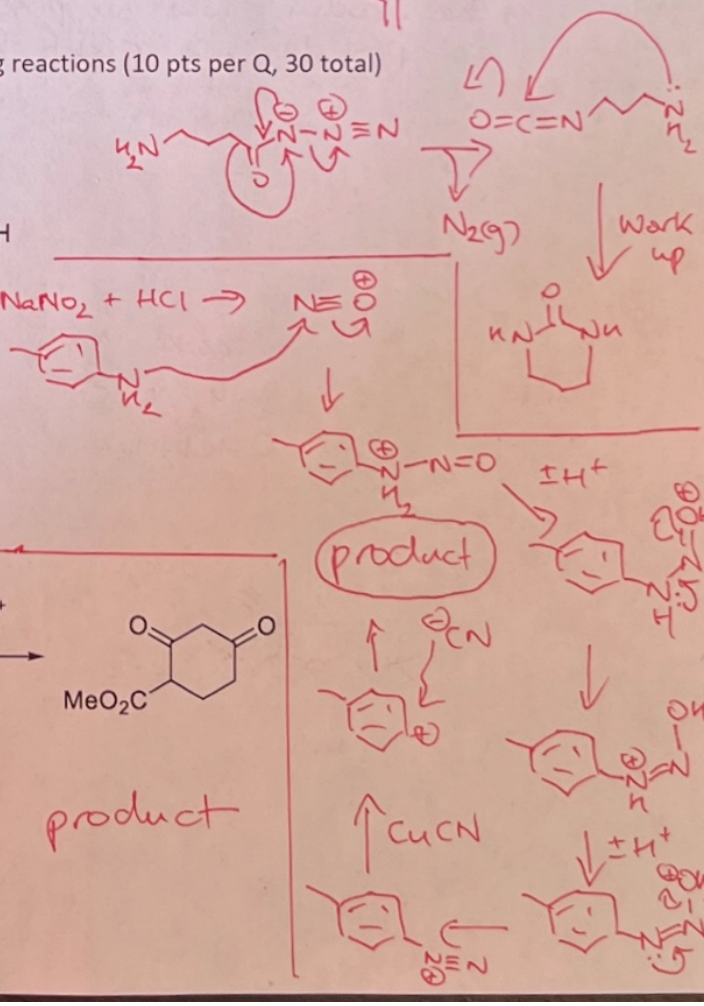


2. Draw the full arrow pushing mechanism for the following reactions (10 pts per Q, 30 total)

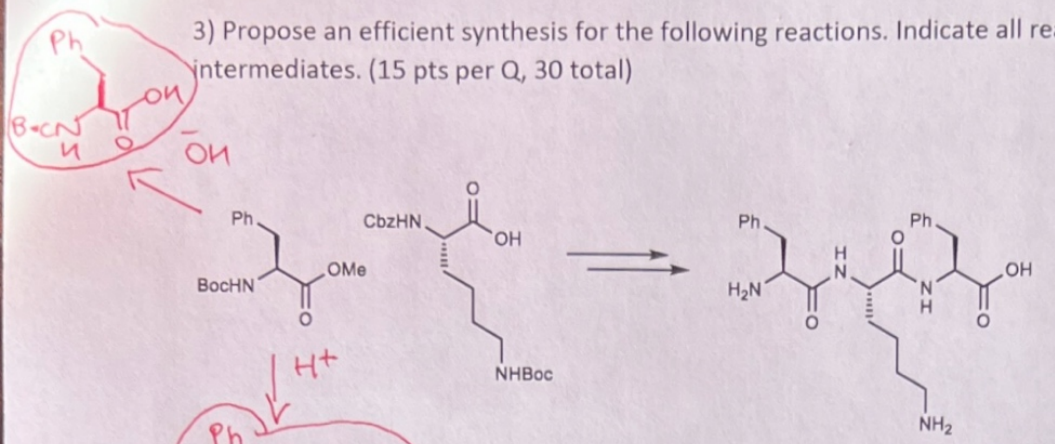


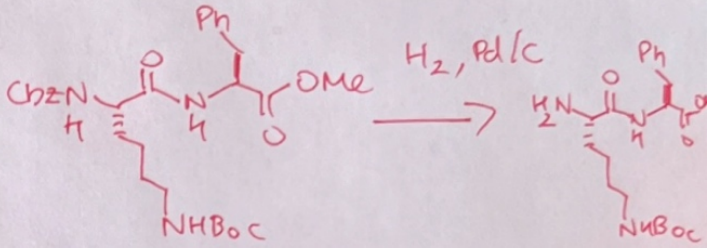


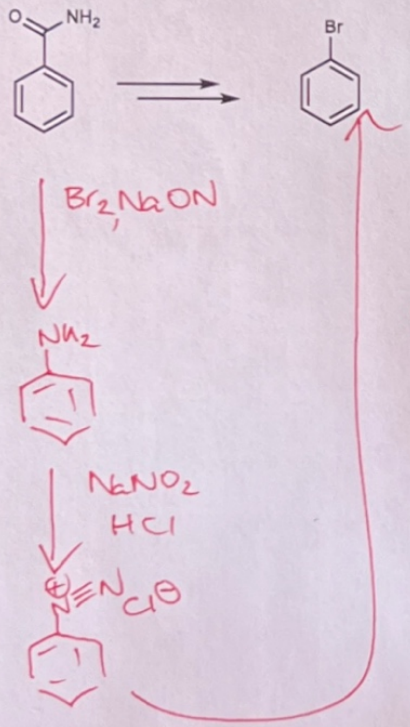


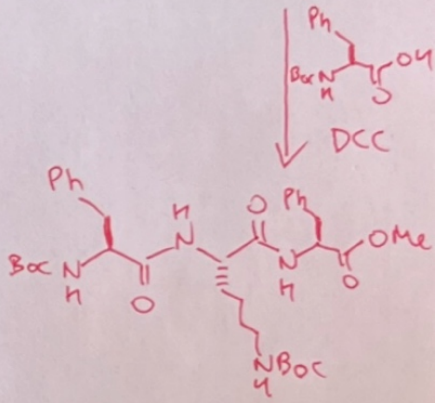


3) Propose an efficient synthesis for the following reactions. Indicate all reagents, solvents, and intermediates. (15 pts per Q, 30 total)









1) H^+ to remove Boc

2) NaOH to remove methyl ester

product!!