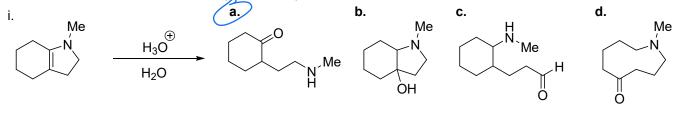
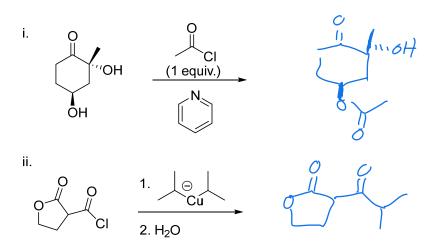
Name:_____

1. Circle the correct solution for each question. (2 points)



ii. O PCC NaBH $_4$ NaH LiAl(O t Bu) $_3$ H

2. Provide the product for the following reactions. (4 points)



- a. Provide a mechanism to account for the following reaction.b. Explain why two equivalents of the amine are required. (4 points)
 - Me₂NH (2 equiv.)

 NMe₂

 NMe₃

 NMe₄

 NMe₄

 NMe₄

 NMe₄

 NMe₅

 NMe₆

 NMe₇

 NMe₇

 NMe₈

 NM