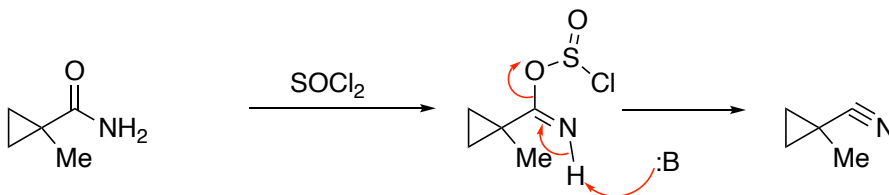
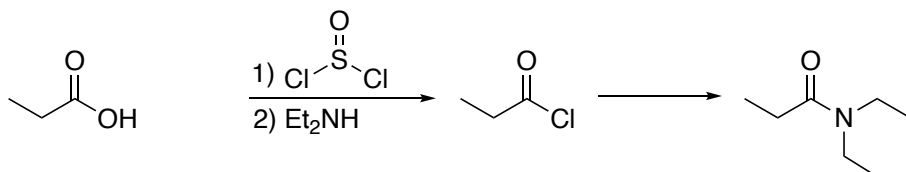
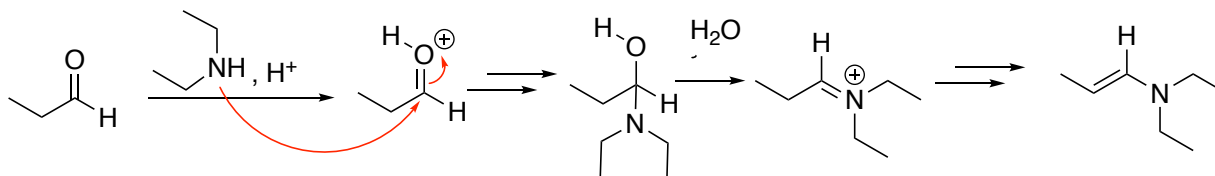
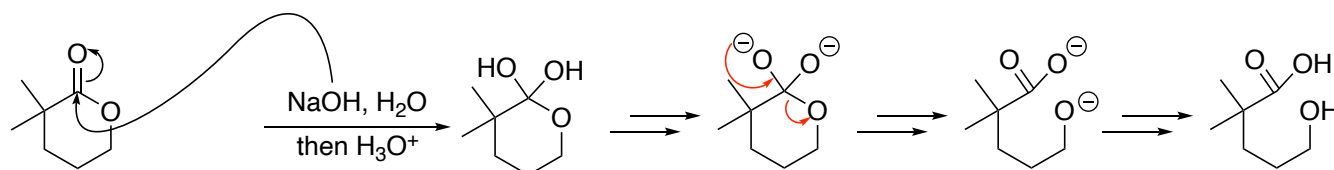
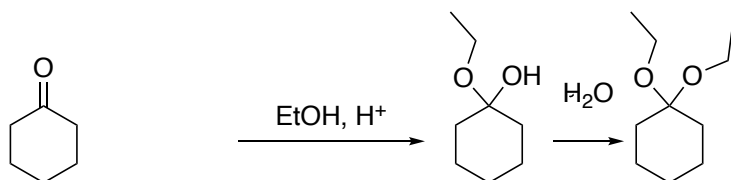
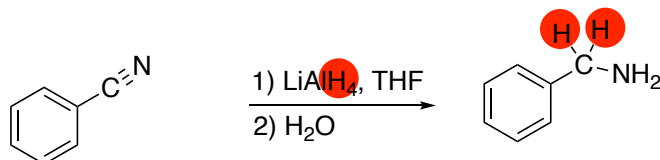
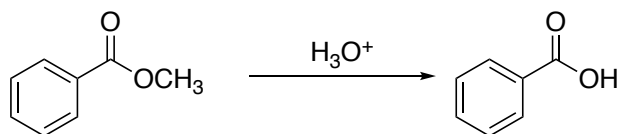


Chemistry 2521 Quiz 5

Name: _____

Key

1. (21 pts) For the reactions below, give the structure of the major product produced.

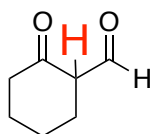


2. (6 pts) Circle or draw in the most acidic proton in each molecule and estimate its pKa.

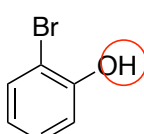
note: if you skip circling (or drawing in) or estimating a pKa, no credit will be given.



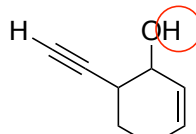
50



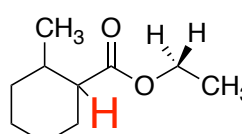
11



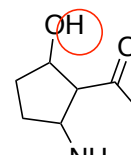
10



16



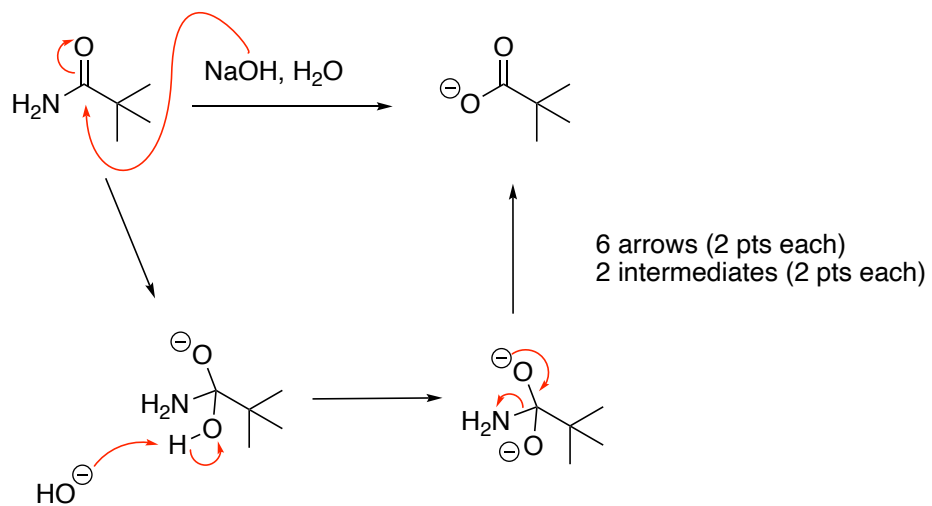
25



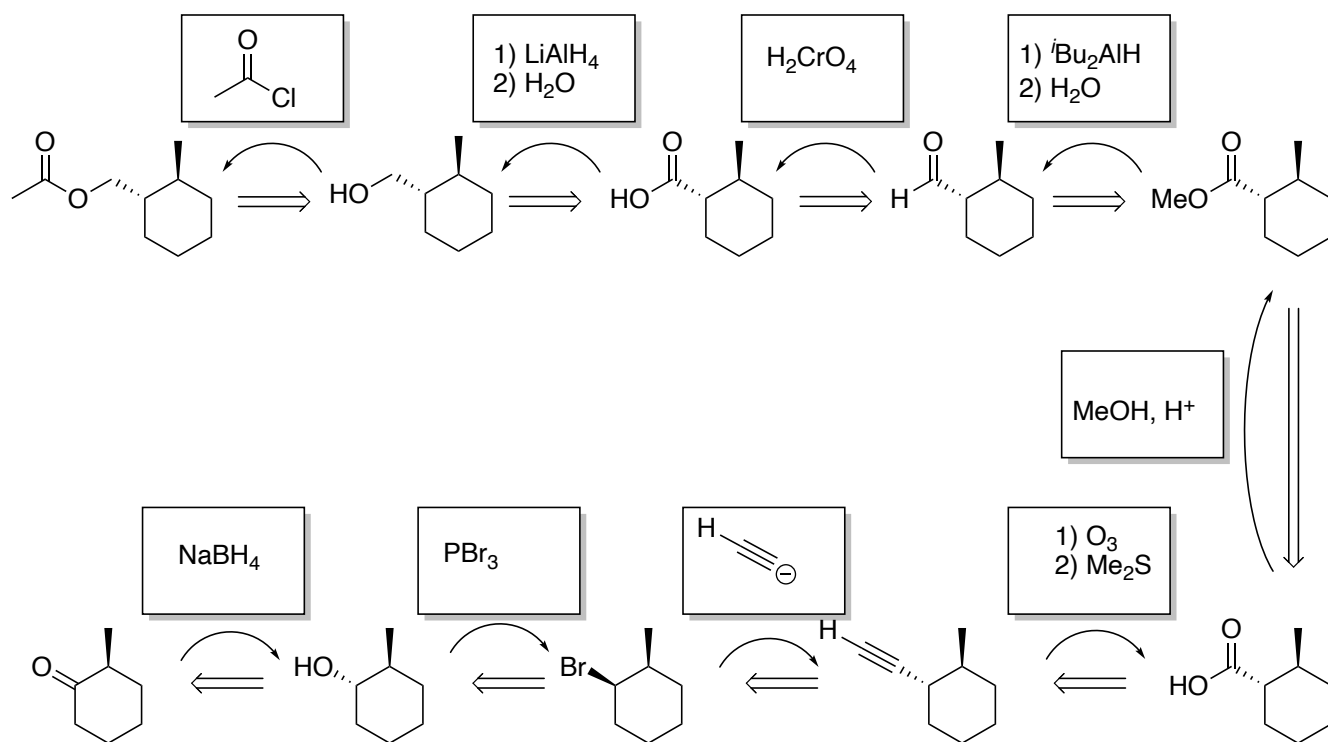
16

27

3. (14 pts) Provide a detailed mechanism for the following reaction.



4. (9 pts) Fill in the reagents for the retrosynthetic scheme below.



Some alternate answers

