

THIRD HOUR EXAM - CHEMISTRY 3331

November 19, 2009

NAME: Ansuar

**Circle the Time of Your
Recitation**

PROBLEM 1. _____

Monday 8am

Monday noon

PROBLEM 2. _____

Monday 5pm

Tuesday 8 am

PROBLEM 3. _____

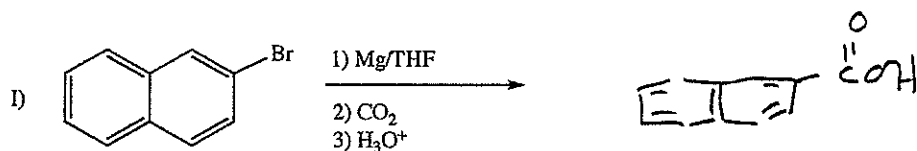
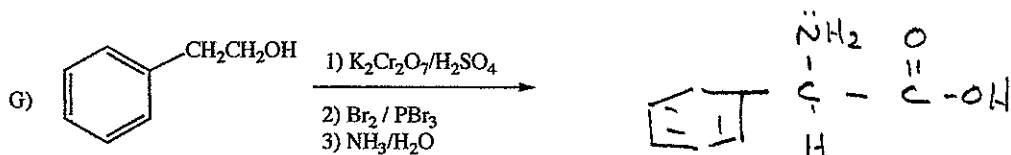
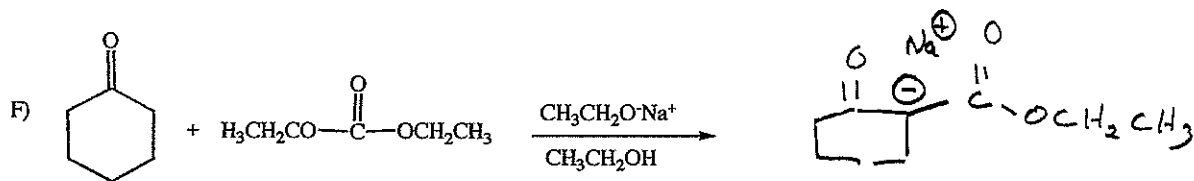
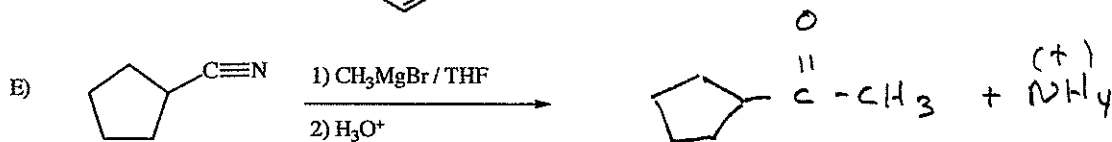
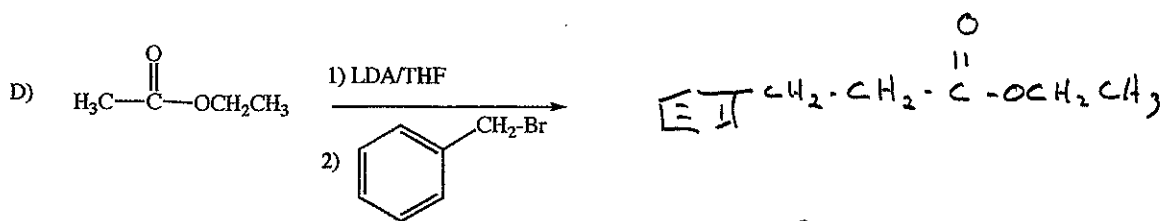
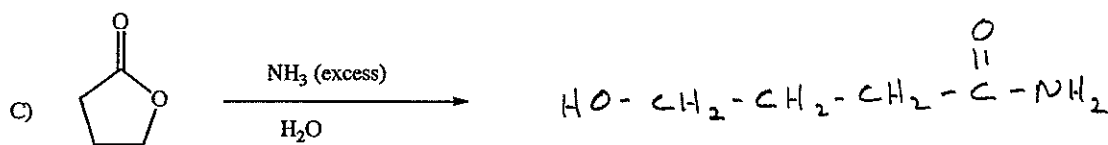
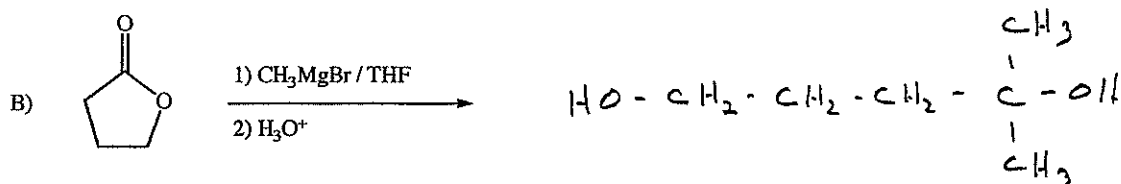
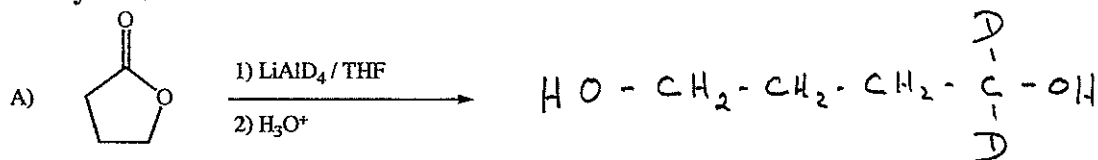
Wednesday 8 am

PROBLEM 4. _____

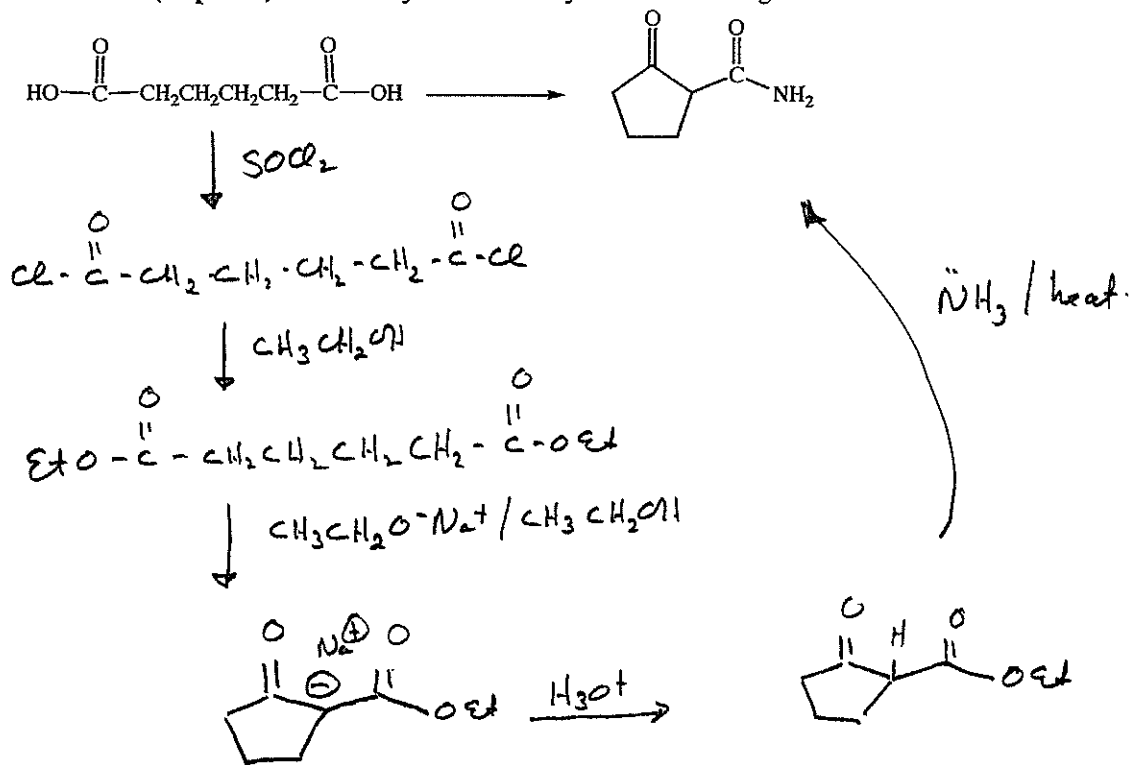
Wednesday 5pm

TOTAL: _____

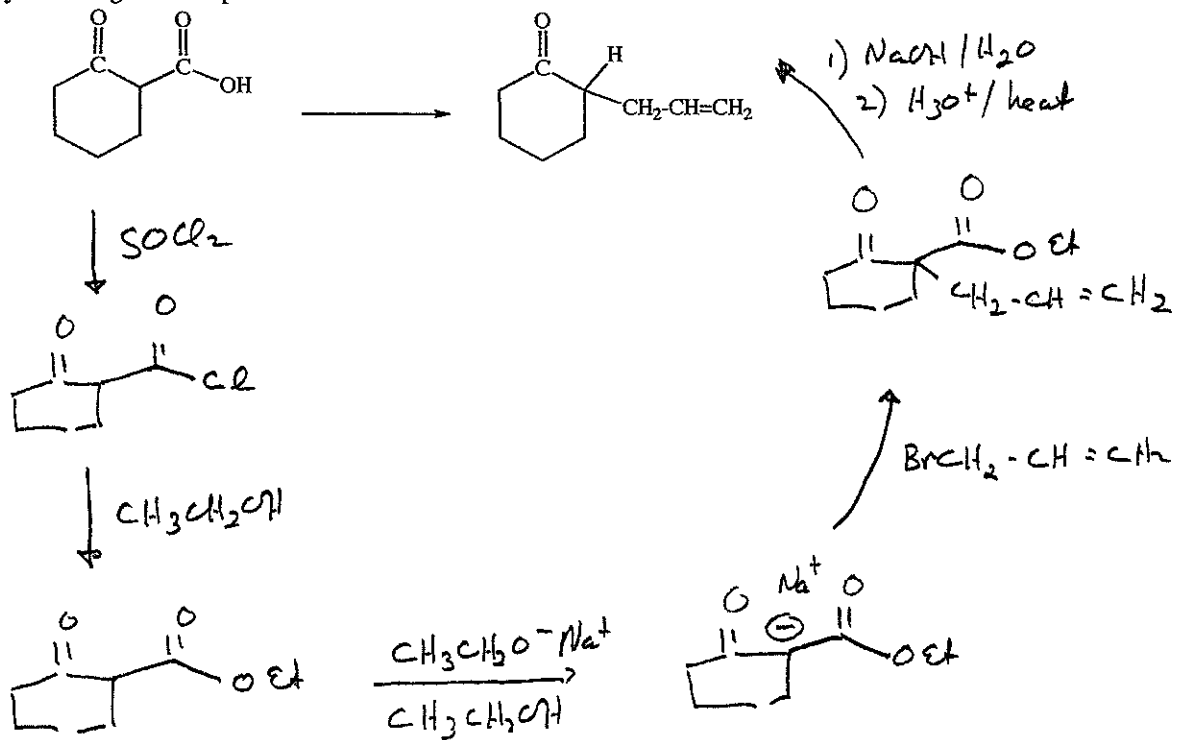
Problem 1. (40 points) Give the final products for the following reactions. If no reaction occurs, please state so. Circle your answers.



Problem 2. (20 points) Show how you would carry out the following transformation.



Problem 3 (20 points) Show how you would carry out the following transformation using the indicating starting material and any other organic compound.



Problem 4 (20 points) For the following reactions determine if the equilibrium lies to the left or to the right as drawn, and circle the appropriate answer.

Circle Answer

