your name:

1. Report the appropriate SMILES for the following compounds. No computer generated SMILES please! (30 points)

2. Draw the according structure of the given SMILES. Please add all hydrogens. (40 Points)

CC(=O)N1CCC(C(=O)N)C1

FS(=O)(=O)Nc1ccc(C)cc1

CC(C)Cc1ccc(C(C)C(=O)O)c(Cl)c1

c1ccccc1C2=C(c3ccc(NC)cc3)COC2(=O)

3. Find the maximum common subtructure of the following compounds and report its corresponding SMILES. Keep in mind that "CO" matches H_3C -OH as well as H_3C -C H_2 -O-C H_3 (only non-hydrogen atoms are considered) (20 points)

$$H_3$$
 H_3
 H_4
 H_5
 H_5
 H_5
 H_5
 H_6
 H_6
 H_7
 H_8
 H_8

4. Which of the compounds A or B should bind more selectively to a given target? Please give a short explanation why! Also mark the rotatable bonds. (10 points)