MAD ORG. CHEM. MIN. # 10

LAST NAME_____ FIRST NAME_____

ID#_____ Circle time: 10 AM 1 PM

1. Draw the two chair conformations of trans-1-t-butyl-3-methylcyclohexane. Circle the more stable conformation.

2. Draw the two chair conformations of trans-1-t-butyl-4-methylcyclohexane. Circle the more stable conformation.

3. Which isomer is more stable? Why?

Two kinds of isomer problems:

1. Find all the structural and geometric isomers of $C_3H_4Cl_2$.

2. Find all the structural and geometric isomers resulting from the dichlorination of cyclopropane. (These will have the formula $C_3H_4Cl_2$.)