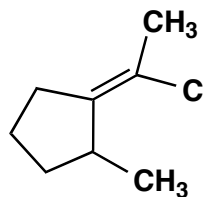
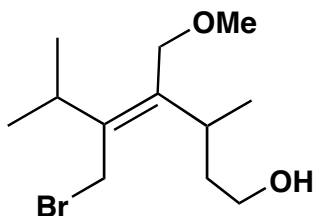


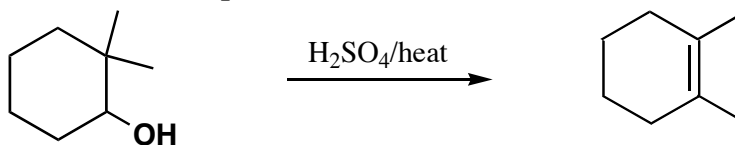
CHEM 5.12
PROBLEM SET #5 - Due in Friday April 4th at 4 pm

Prof. B. Imperiali

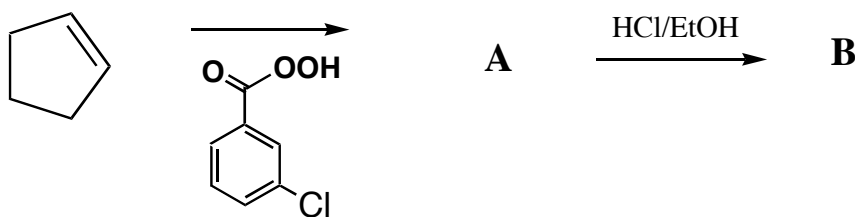
1. (2 points) Assign Z or E nomenclature to the alkenes shown below



2. (4 points) Propose a detailed stepwise mechanism for the reaction shown below

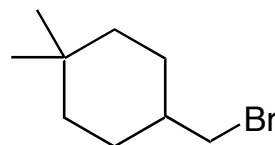
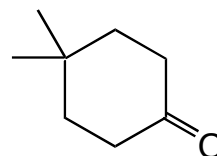
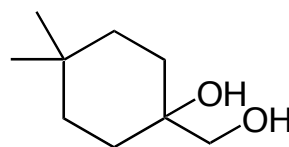
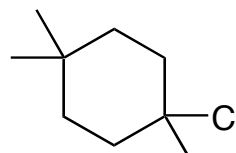
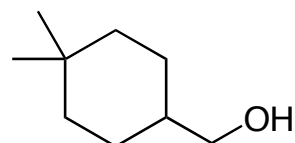
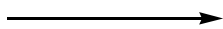
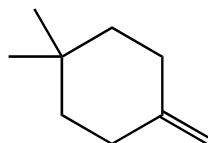


3. (4 points) Show the identity of compounds A and B in the reaction scheme shown below



PROBLEM SET #5 (contd) - Due in Friday April 4th at 4 pm

4. (10 points) Show the reagents that would be needed to carry out the following transformations.



Suggested problems: 7.45, 8.18, 8.37, 8.50, 8.51, 8.64, 8.68