

Homework 12

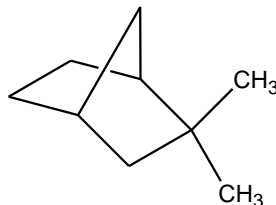
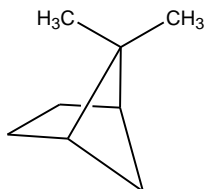
Due: Monday 4/18/16 by 5PM...in the Box

Read: Chapter 23

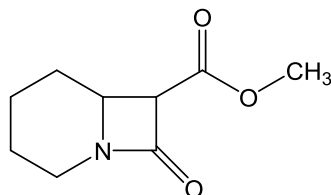
Do: 20.30, 20.36, 23.4, 23.5, 23.6, 23.10, 23.26, 23.34,

Supplemental Problems:

1. Write the IUPAC name for the following bicyclic hydrocarbons:



2. Beta lactams are found in important antibiotics such as penicillin and cephalosporin. Please write the products you predict from exhaustive hydrolysis of the β -lactam below in hot aqueous acid; then use the curved arrow convention to show the step by step mechanism for that reaction. **Please** be neat!



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Hydrolysis Products