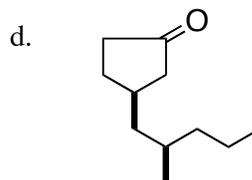
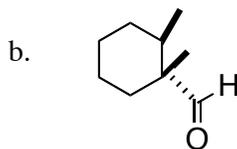
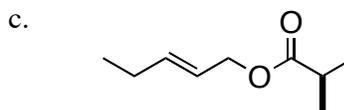
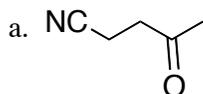


Fall 2006

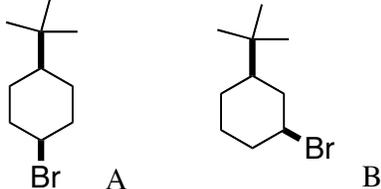
Homework #3

due: 10 a.m. Monday, September 19th

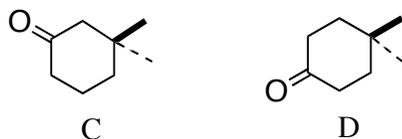
1. (12 points) Write out IUPAC names for each of the following:



2. (12 points) a. Which is more stable, A or B? Why?



b. Which is more stable, C or D? Why?

3. (6 points) Reduction of **E** with  $\text{Bu}_3\text{SnH}$  gives **F**. Draw an arrow-pushing mechanism for the transformation of **E** to **F**.