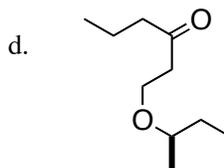
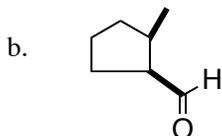
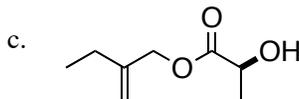
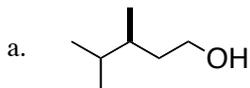


Fall 2007

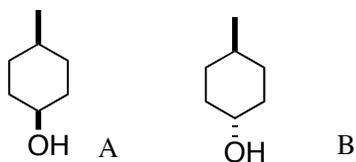
Homework #3

due: 10 a.m. Monday, September 17th

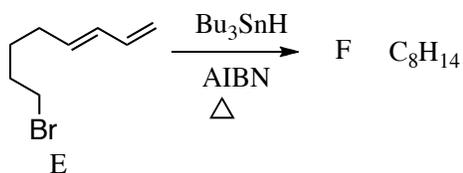
1. (12 points) Write out IUPAC names for each of the following:



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**. Deduce the structure of **F**, and draw an arrow-pushing mechanism for the transformation of **E** to **F**. $^{13}\text{C}$  NMR

135, d

129, d

46, d

32, t (2)

35, t (2)

19, q