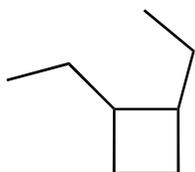


4A. (7 pts) Draw the lowest energy (most stable) chair conformation of the given compound:
cis-1-isopropyl-2-methylcyclohexane

4B. (3 pts) The following compound has one stereoisomer that is a *meso* compound. Draw that isomer:



4C. (12 pts)

What is the relationship of the following pairs of compounds?

1 and 2 _____ 3 and 4 _____

5 and 6 _____ 7 and 8 _____

- A) constitutional (structural) isomers
- B) enantiomers
- C) diastereomers
- D) the same compound
- E) unrelated

