1) Build: cis-1,3-dimethylcyclohexane

A) Draw both of the chair conformers for this compound.

B) Indicate their relative energies.

2) Build: trans-1,3-dimethylcyclohexane (be careful – there are two enantiomers, draw the chair conformers for the one depicted below).

A) Draw both of the chair conformers for this compound.

B) Indicate their relative energies.