

# Problems

February 24, 2009.

1. When alcohol **A** was subjected to the following reactions, **B** was formed. Provide a structure for **B**, including stereochemistry.



2. In their studies on tungsten carbonyl chemistry, Wulff and co-workers discovered a way to construct all four rings of the steroid skeleton in a single cascade. The final step of the reaction is the tungsten mediated reduction of intermediate **A**.

