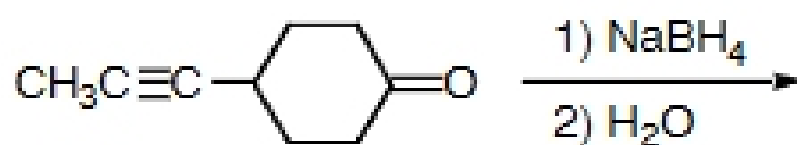
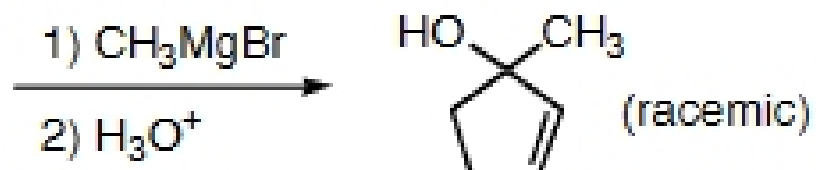
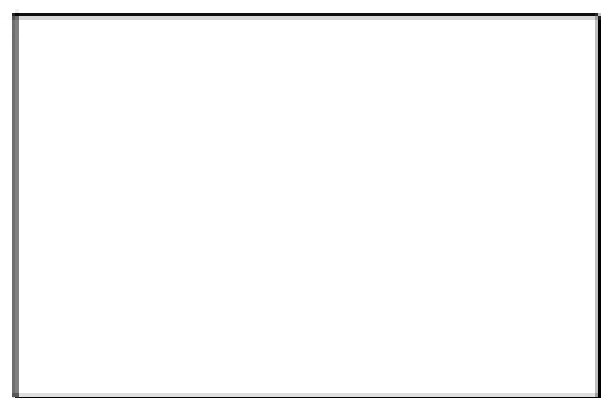
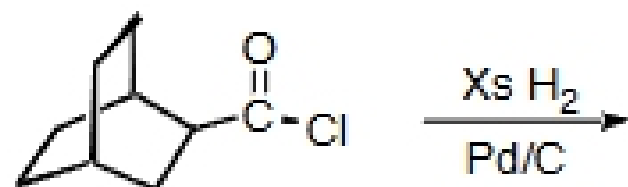
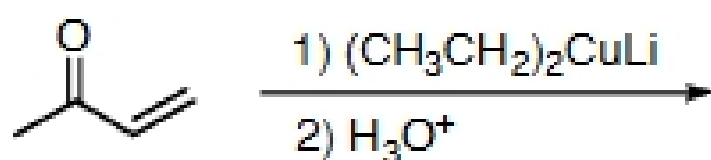
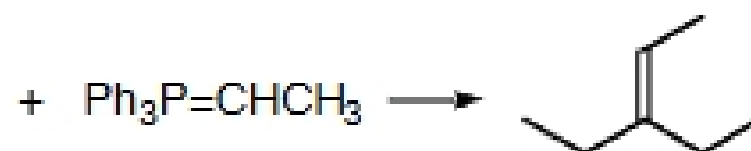
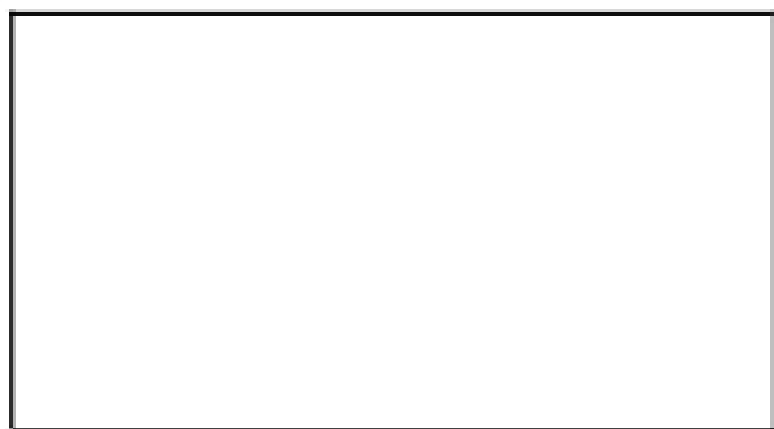


1. Provide the missing product(s) or starting material(s).



2. Prepare the following alkene using alkyl halides with six carbons or less as the sole source of carbon atoms in the product:



3. Which enantiomer is formed when a phenyl Grignard reagent attacks the *Re* face of 2-butanone?

4. Draw the product of the following reaction series:

