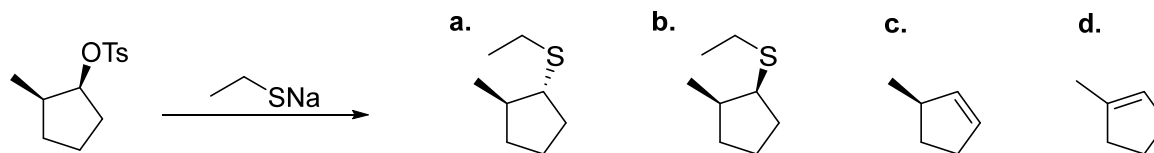
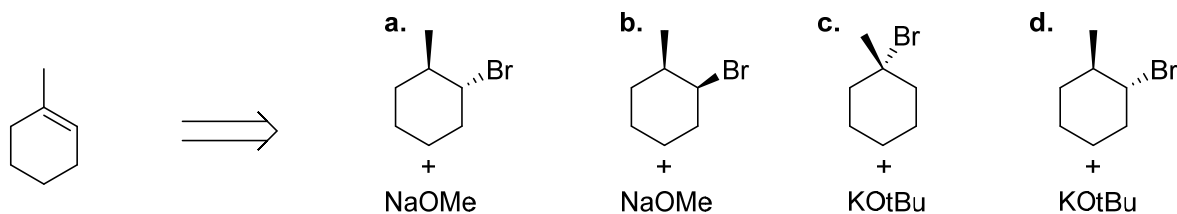


Name: _____

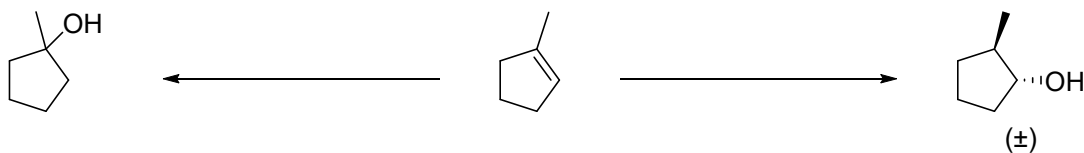
1. Circle the major product for the following reaction. (1 point)



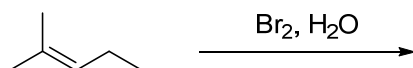
2. Select the combination of alkyl bromide and base which will yield the alkene below as the major product. (1 point)



3. Provide the reagents for both reactions below. (2 points)



4. Provide the product for the following reaction. Be sure to clearly indicate stereochemistry. (2 points)



5. a. Provide a mechanism for the following reaction.
 b. Briefly explain why this reaction gives racemic products. (4 points)

