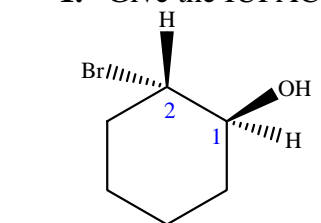
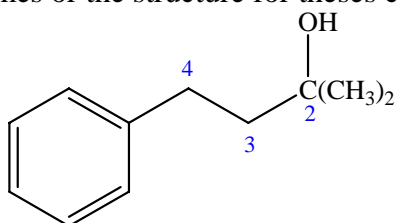


**CHEM 201**  
**Quiz # 7 Chapter 7: Alcohols**

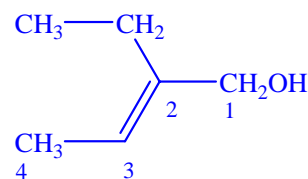
1. Give the IUPAC names or the structure for these compounds:



*trans*-2-bromocyclohexanol



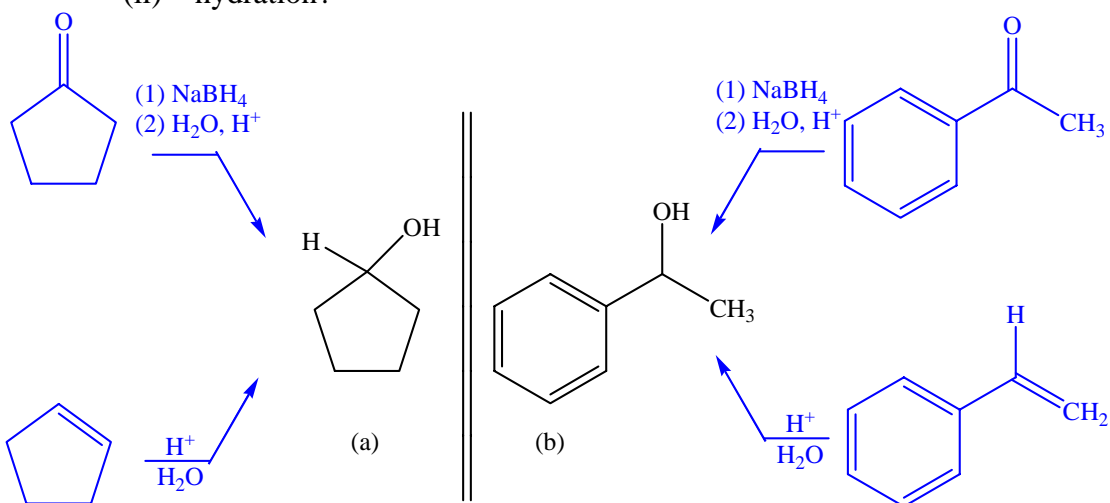
2-methyl-4-phenyl-2-butanol



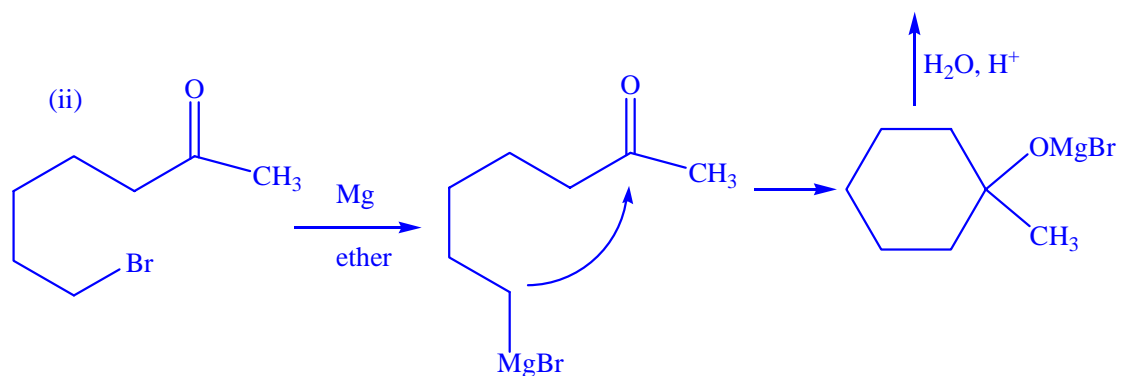
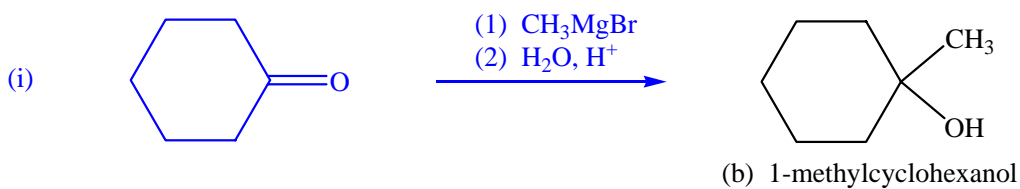
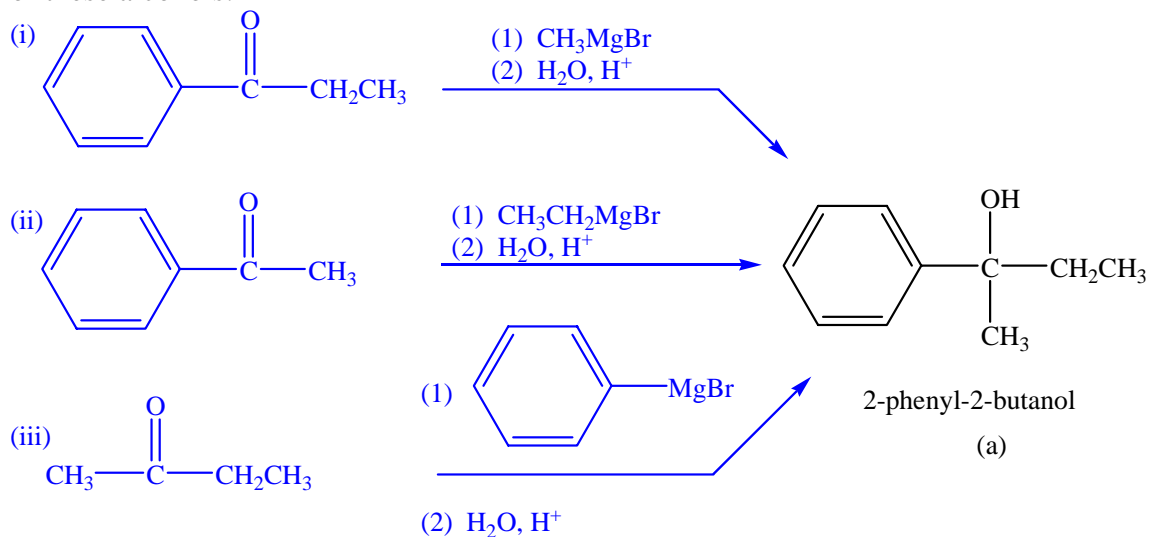
2-Ethyl-2-buten-1-ol

2. What compound gives each of the following alcohols with the use of

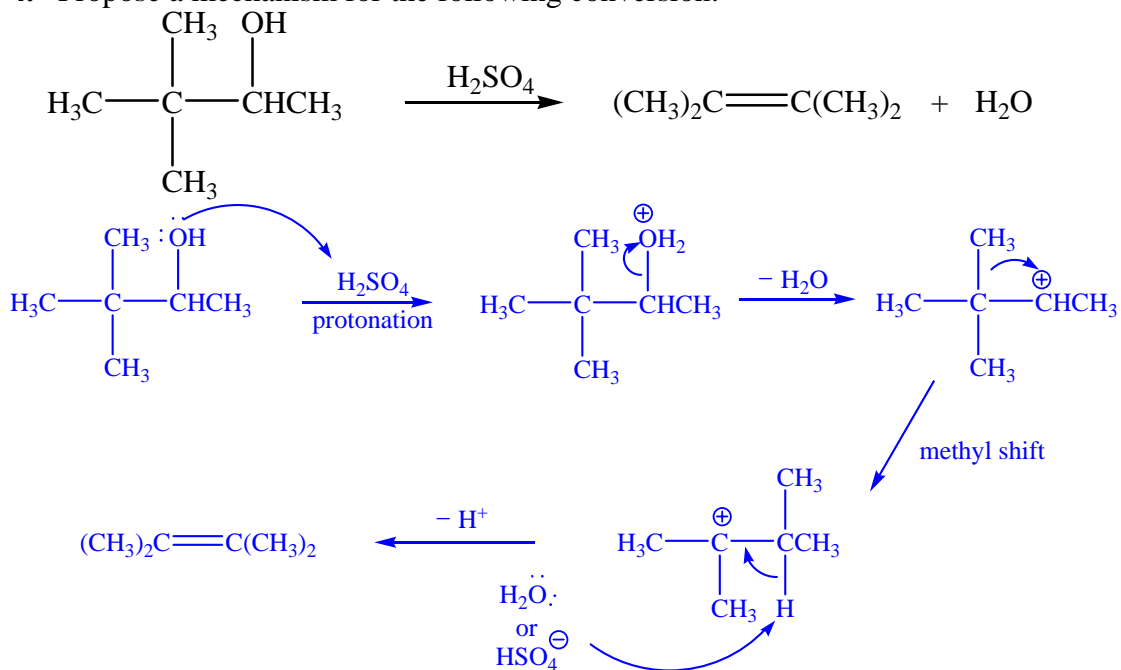
- (i) sodium borohydride ( $\text{NaBH}_4$ )?
- (ii) hydration?



3. Show two ways on how you can use a Grignard reaction to prepare each of these alcohols:



4. Propose a mechanism for the following conversion:



5. How would you carry out the following transformations?

