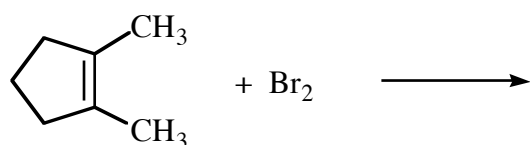
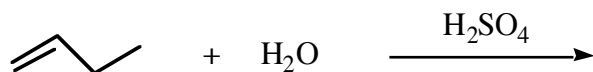
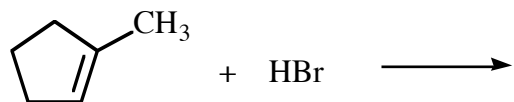


Chemistry 2521; Sample Quiz 5 (Ch. 5 and Ch. 6 to page 223)

Printed Name (Last, First) _____

1. (12) Complete the following equations, showing the **stereochemistry** of the product when appropriate:



2. (8) Give the **correct structure** for each of the following compounds (2 pts each):

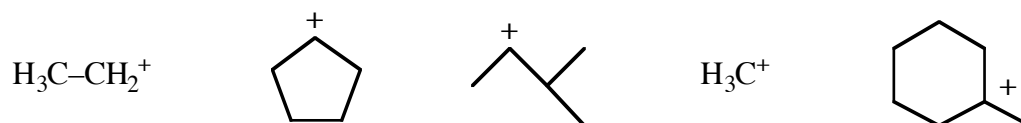
vinyl cyclohexane

(6Z)-2,6-dimethyl-2,6-octadiene

(E)-1-bromo-2-chloro-3-ethyl-2-hexene

cis-3-methyl-2-pentene

3. (3) Circle the **most stable carbocation**:



4. (2) Which one of the following compounds is a strong **electrophile**?

NaBr CH₃Br NaOH H₂O Cl₂ CH₃Cl CH₃CO₂H CH₄ CH₃OH CH₃O⁻