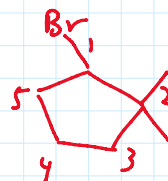


1. Draw structures for

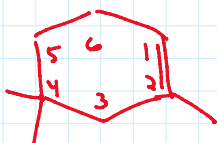
a. 2-methyl pentane



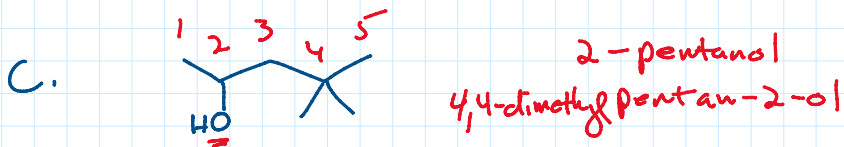
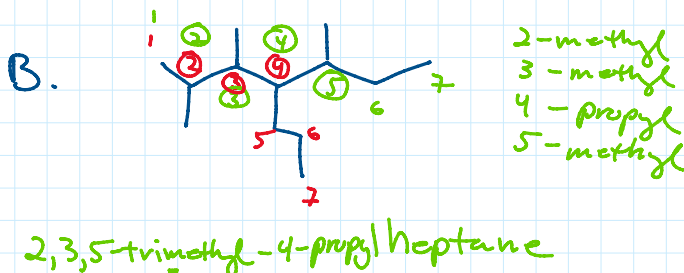
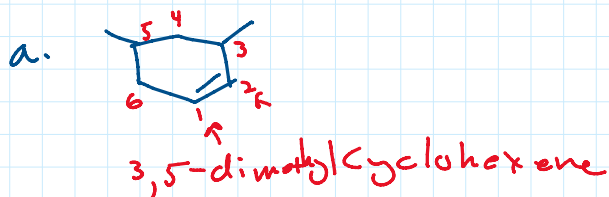
b. 1-bromo-2,2-dimethyl cyclopentane



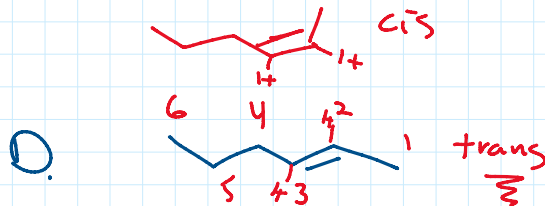
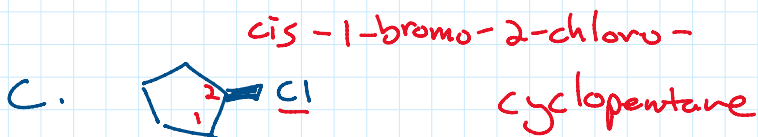
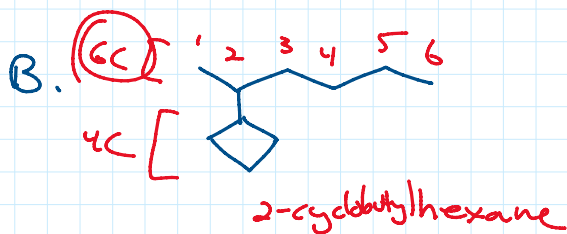
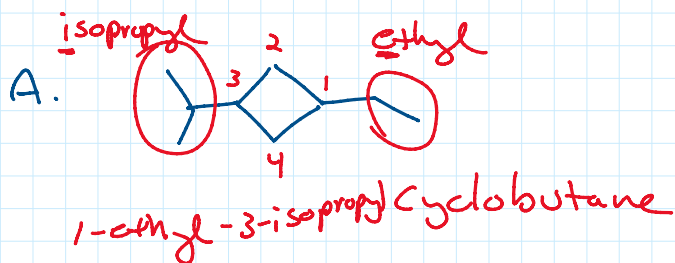
c. 2,4,4-trimethyl cyclohexene

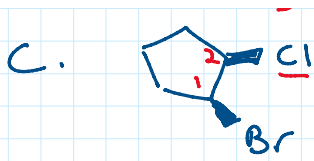


2. Give IUPAC names for:



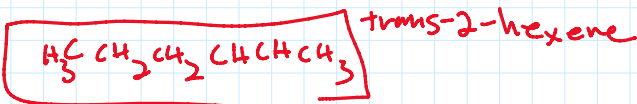
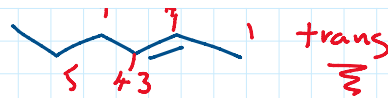
3. Give IUPAC name for:



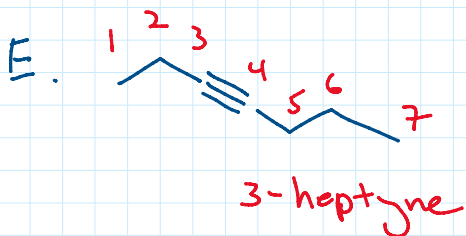


cyclopentane

D.



2 6 7
2 4 7

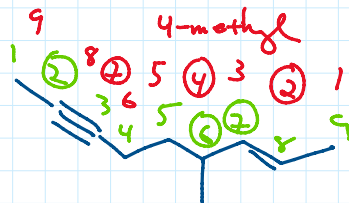


3-heptyne

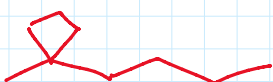


cis

F.



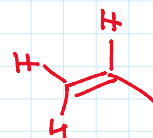
trans-4-methyl-non-2-en-7-yne



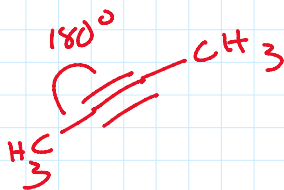
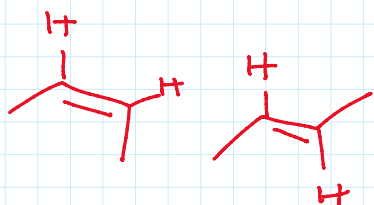
cis-butene



trans butene

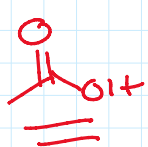


~~x cis/trans~~



Ch 3

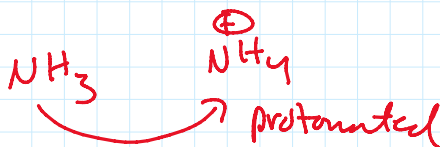
"protonated" = has proton/H atom



protonated



deprotonated



Equilibrium for $\text{NH}_3/\text{NH}_4^+$

