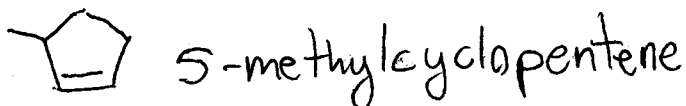


Nomenclature

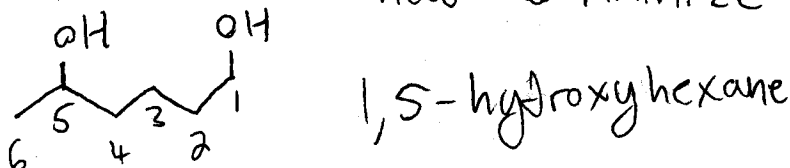
Key

1. What's wrong with the following IUPAC names? (It helps to draw it out first.) What's the correct name?

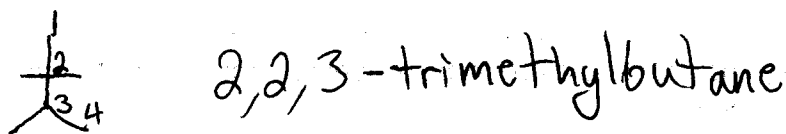
a. 6-methylcyclopentene cyclopentene has only 5 carbons!



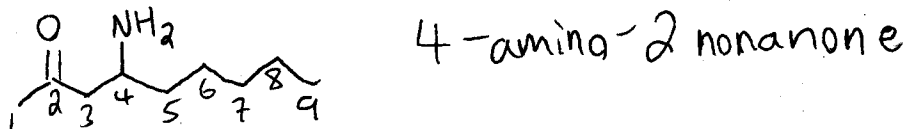
b. 2,6-hydroxyhexane need to minimize numbering!



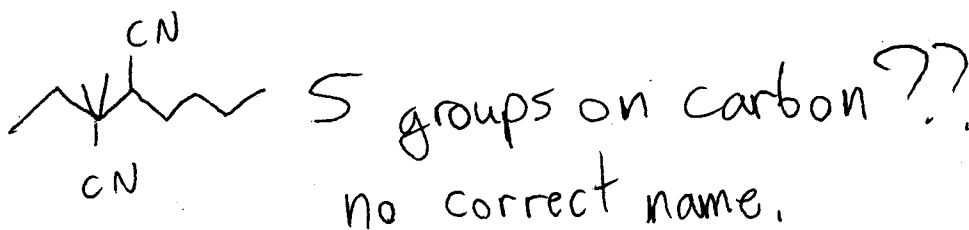
c. 2-tert-butylpropane - longest carbon chain is 4 not 3.



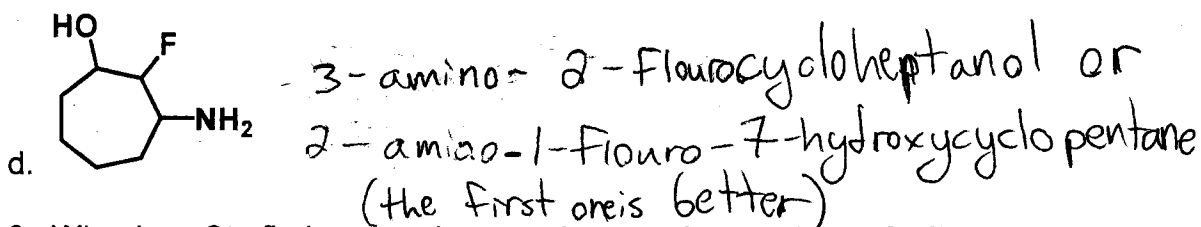
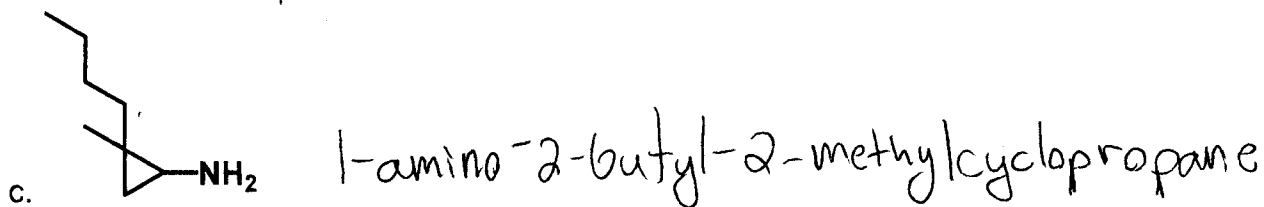
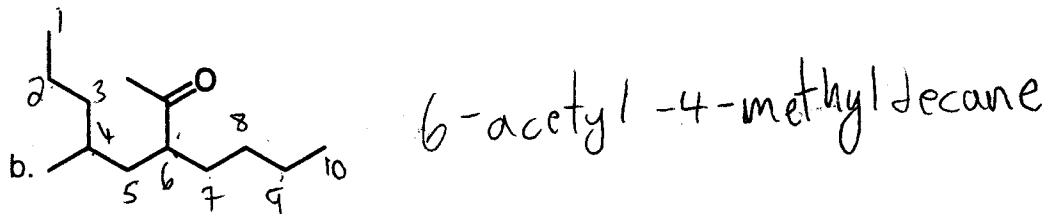
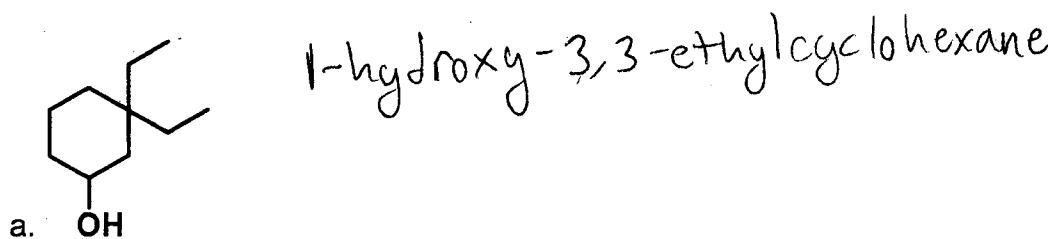
d. 1-acetyl-2-aminoheptane longest carbon chain is 9, not 7



e. 3,4-cyano-3,3-dimethyloctane



2. Name the following compounds according to IUPAC standards.



3. Why does Stu find nomenclature to be a useless endeavor? Find a more appropriate acronym for IUPAC.

Answers may vary.