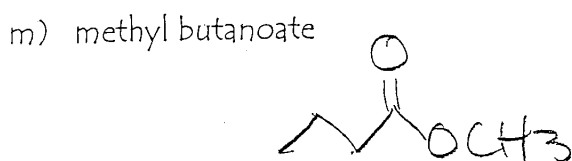
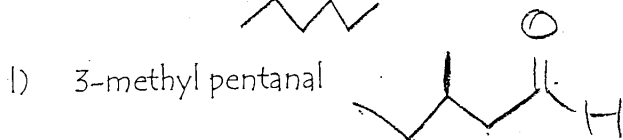
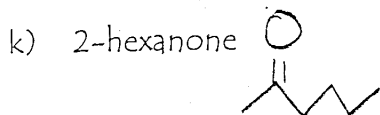
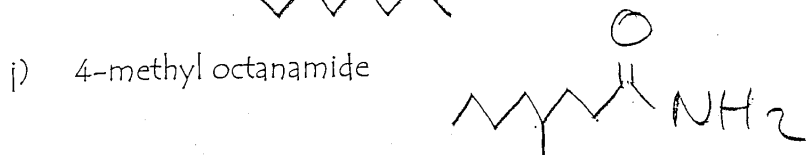
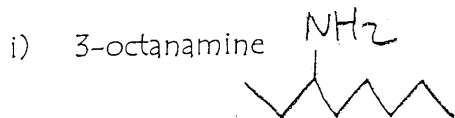
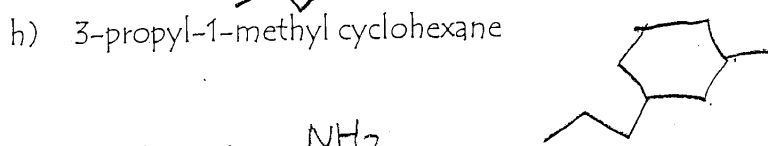
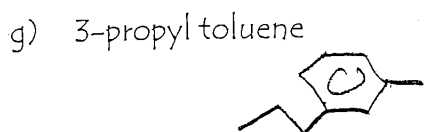
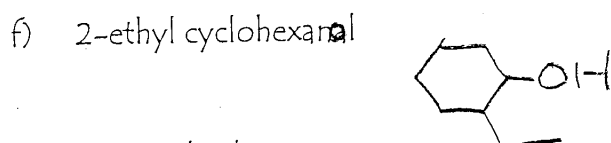
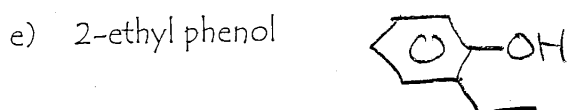
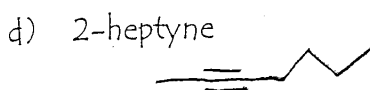
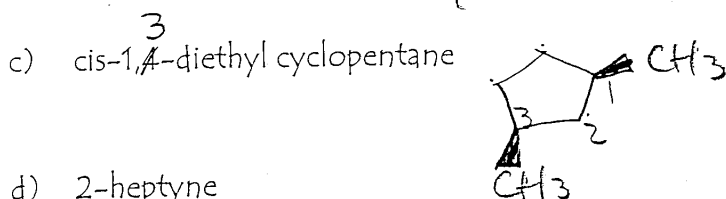
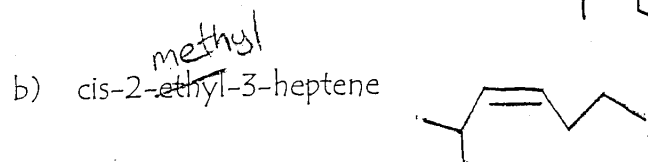
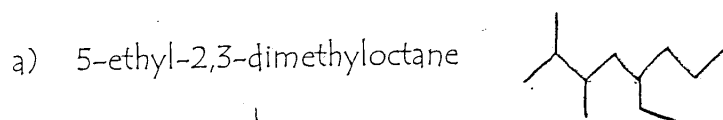
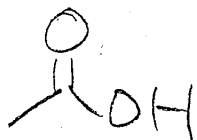


The following practice problems focus on IUPAC nomenclature except for ethers.

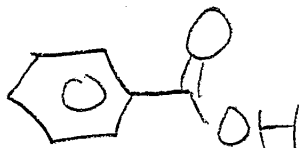
1. Draw the skeletal-line structure for each of the following compounds.



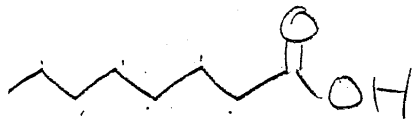
n) acetic acid



o) benzoic acid



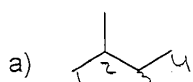
p) octanoic acid



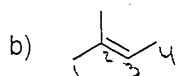
q) ethyl butyl ether



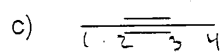
2. Give the \*IUPAC name for each of the following compounds. (\*common names for ethers)



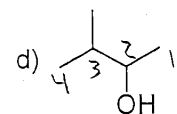
2-methyl butane



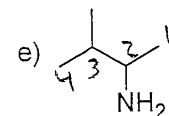
2-methyl-2-butene



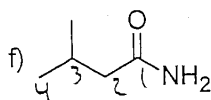
2-butyne



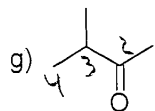
3-methyl-2-butanol



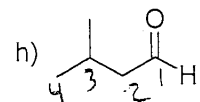
3-methyl-2-butanamine



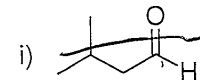
3-methyl butanamide



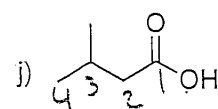
3-methyl-2-butanone  
R optional



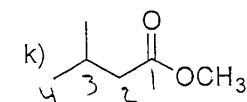
3-methylbutanal



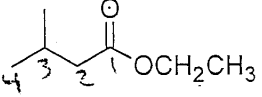
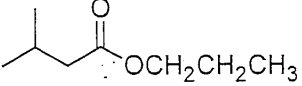
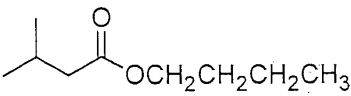
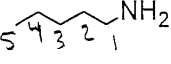
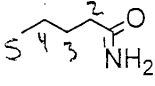
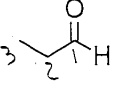
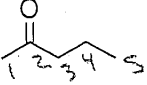
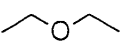
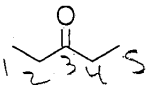
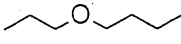
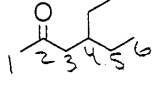
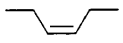
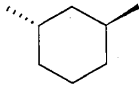
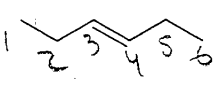
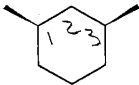
oops

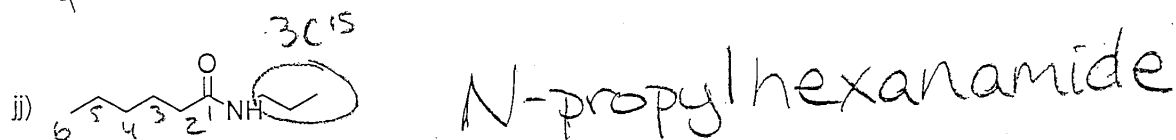
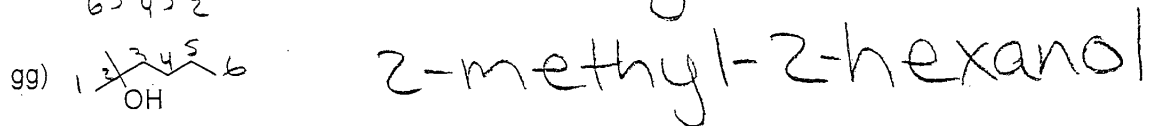
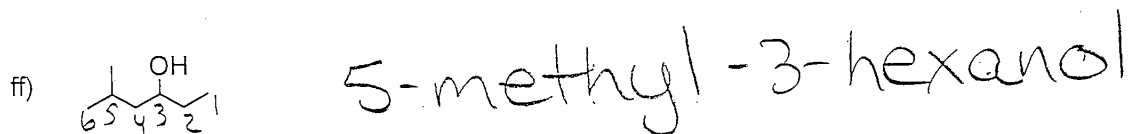
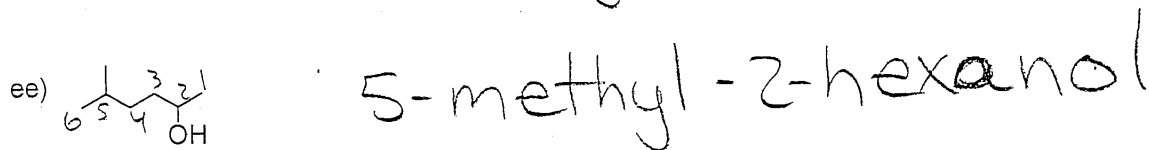
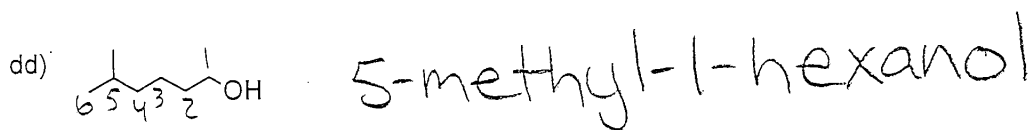
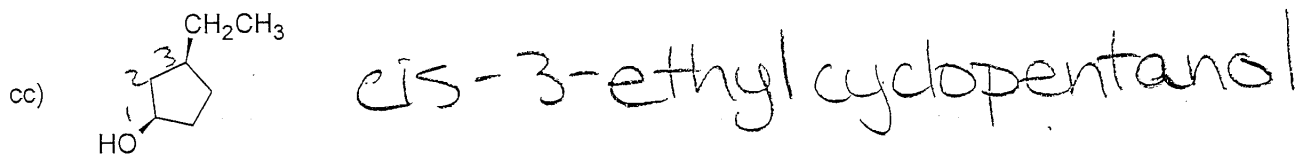
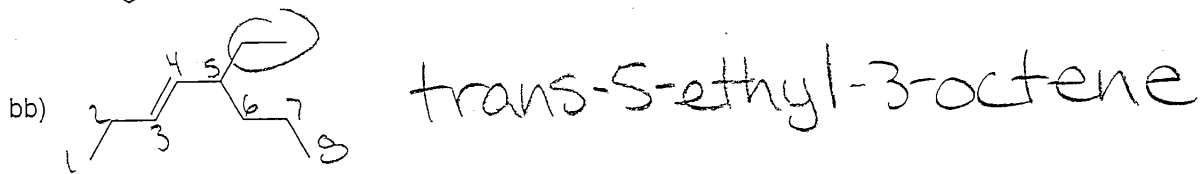
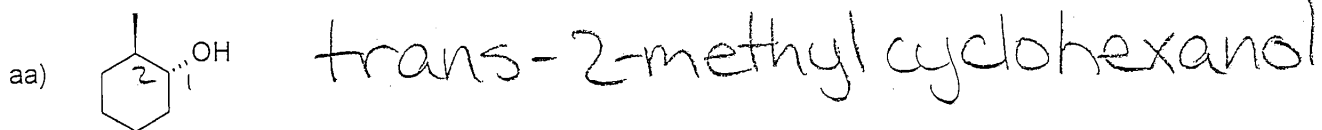


3-methyl butanoic acid

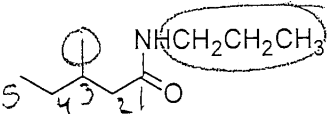


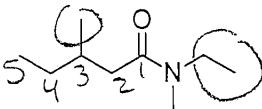
methyl 3-methylbutanoate

- l)  ethyl 3-methylbutanoate
- m)  propyl 3-methylbutanoate
- n)  butyl 3-methylbutanoate
- o)  1-pentanamine
- p)  pentanamide
- q)  propanal
- r)  2-pentanone
- s)  diethyl ether
- t)  3-pentanone
- u)  butyl propyl ether
- v)  4-ethyl-2-hexanone
- w)  cis-3-hexene
- x)  trans-1,3-dimethylcyclohexane
- y)  trans-3-hexene
- z)  cis-1,3-dimethylcyclohexane

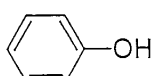


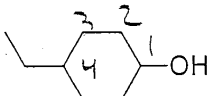
mm)  3-methyl-N-propylpentanamide

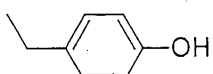
nn)  3-methyl-N-propylpentanamide

oo)  N-ethyl-3,N-dimethylpentanamide

pp)  cyclohexanol

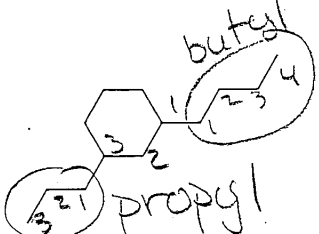
qq)  phenol

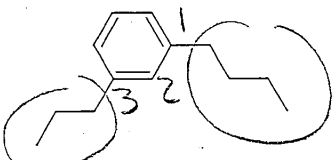
rr)  4-ethylcyclohexanol

ss)  4-ethylphenol

tt)  methylcyclohexane

uu)  toluene

vv)  1-butyl-3-propylcyclohexane

ww)  1-butyl-3-propylbenzene