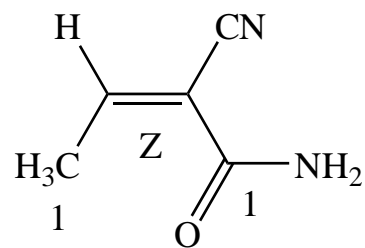
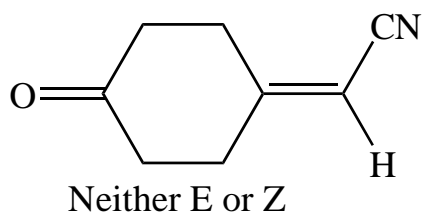
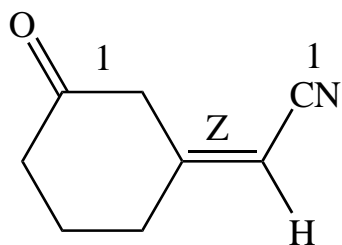
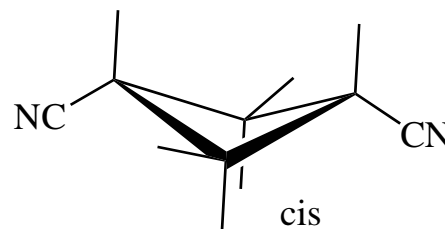
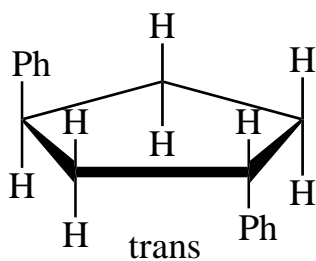
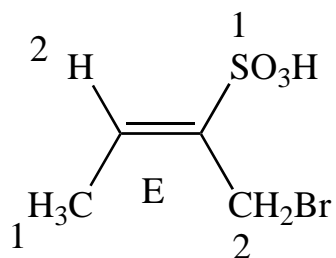


Ex 25 - EZ, cis-trans isomerism

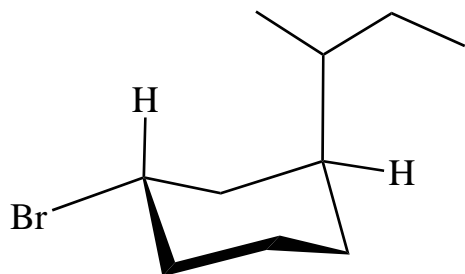
Question One

Label the following as cis or trans; E or Z as is appropriate.

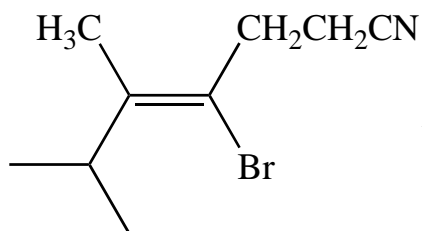


Question Two

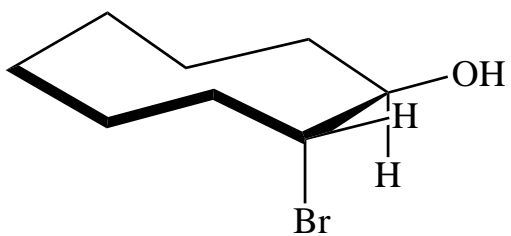
Provide systematic names for the following, including stereochemical descriptors.



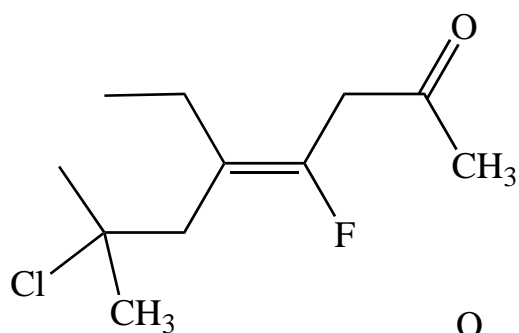
trans-1-bromo-3-sec-butylcyclohexane



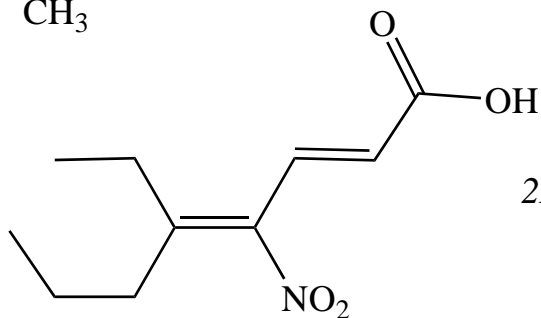
Z-4-bromo-5,6-dimethyl-4-heptenenitrile



trans-2-bromocyclooctanol



Z-7-chloro-5-ethyl-4-fluoro-7-methyl-4-octen-2-one



2E,4Z-5-ethyl-4-nitro-2,4-octadienoic acid