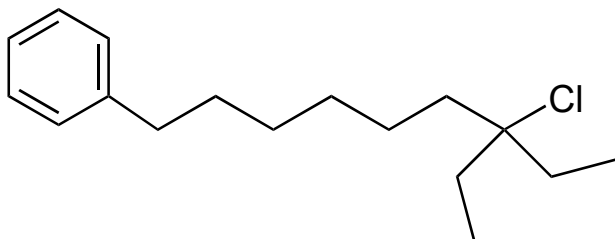
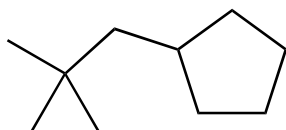


Nomenclature (11 pts) Name the following compounds according to the IUPAC rules. Be sure to indicate stereochemistry, when appropriate. **You must show your work for full credit.**

2A)



2B)



2C) Draw *sec*-butyl bromide

2D) (5 pts) Calculate the degrees of unsaturation (DU or HDI) for the following compound. Place your answer in the box provided. **You must show your work (no work = no credit).**



2E) (4 pts) The molecular formula $C_{10}H_{17}O_2Br$ has TWO degrees of unsaturation. **Each of the following compounds has 10 carbon atoms.** *Without counting H atoms*, determine whether or not each compound has the molecular formula $C_{10}H_{17}O_2Br$ (place a YES or NO answer in each box).

