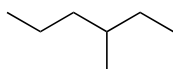


**Questions**

**Answers**

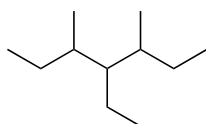
**(I) Give IUPAC names and molecular formulae for the structure below.**

1)



3-methylhexane  
 $C_7H_{16}$

2)

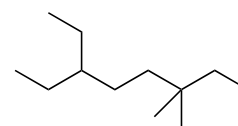


4-ethyl-3,5-dimethylheptane  
 $C_{11}H_{24}$

**(II) Give structure and molecular formula for the IUPAC name below.**

3)

6-ethyl-3,3-dimethyloctane



$C_{12}H_{26}$

**(III) Alternatively, you may answer structures and common names for FOUR butyl groups.**