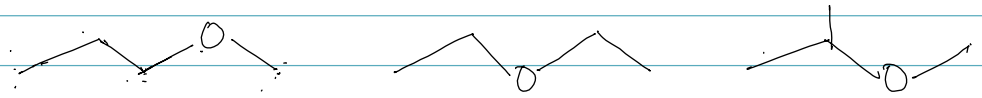
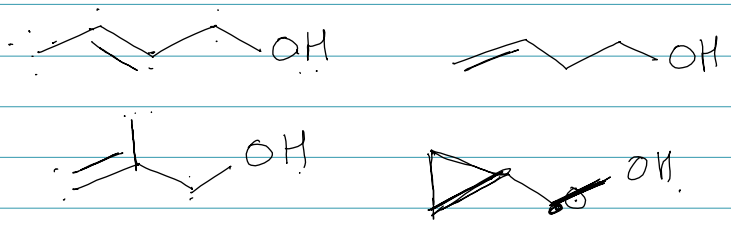
Constitutional Isomers - 2.

a) three ethers of $C_4H_{10}O$ $\quad R-O-R$.



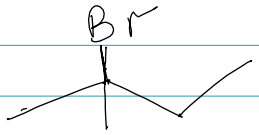
b) three 1° alcohols C_4H_8O



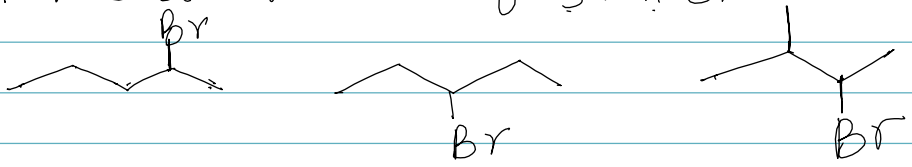
C_nH_{2n} alkene.
$+2H$ ← alkane
$-2H$ → alkyne.

C_4H_8 alkene or one double bond or one ring.

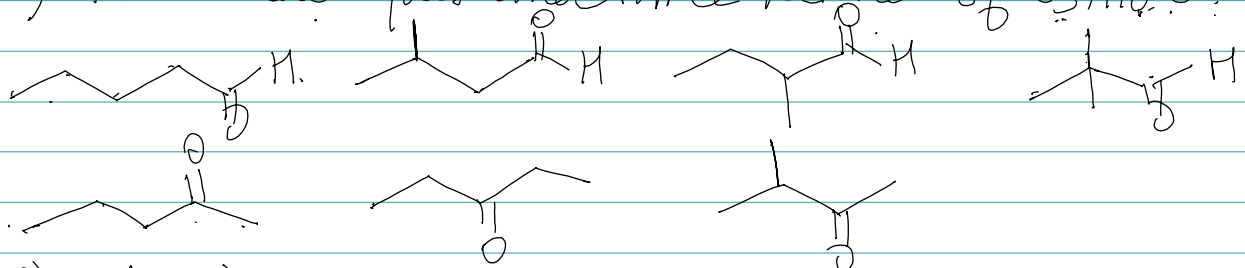
c) 3° halide of $C_5H_{11}Br$.
(replace Br with H to calculate saturation) C_nH_{2n} C_5H_{10} but we have C_5H_{12} ∴ alkane.



d) three 2° halides of $C_5H_{11}Br$



e) three aldehydes and three ketones of $C_5H_{10}O$.



f) Amines of C_3H_9N & classify them as 1°, 2°, 3°.