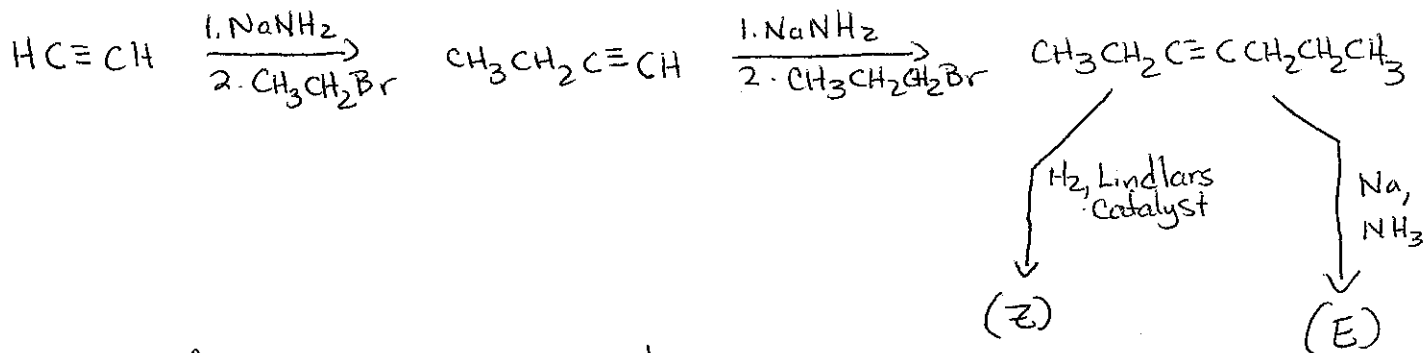
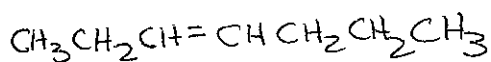


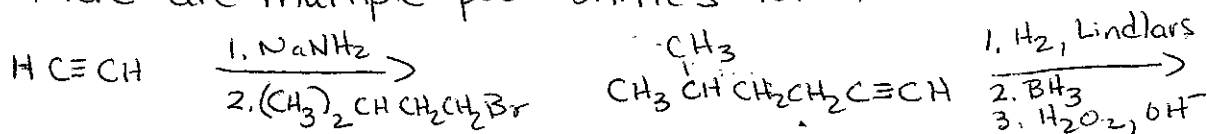
# Problem Set #2

① Synthesis of (E) + (Z)-3-heptene

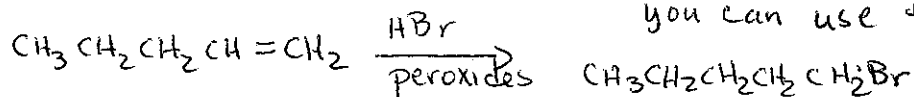


② Synthesis of 5-methyl-1-hexanol

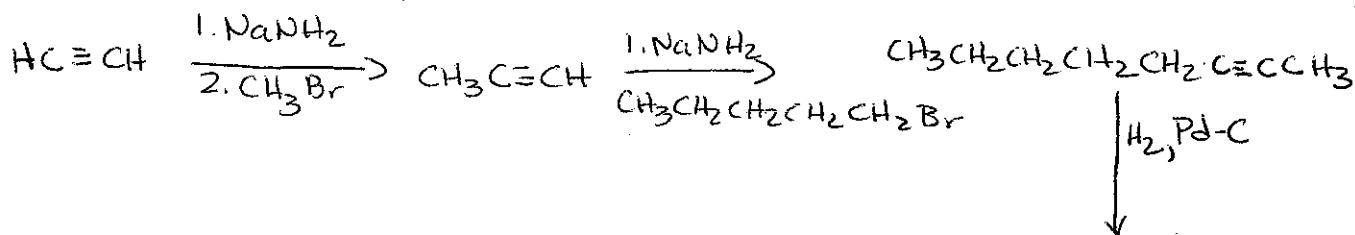
There are multiple possibilities for this one



③ Synthesis of octane using both 1-pentene and acetylene



you can use this you don't have to make it.



④ Synthesis of  $\text{HC}\equiv\text{CCH}_2\overset{\text{O}}{\parallel}{\text{C}}\text{H}$

