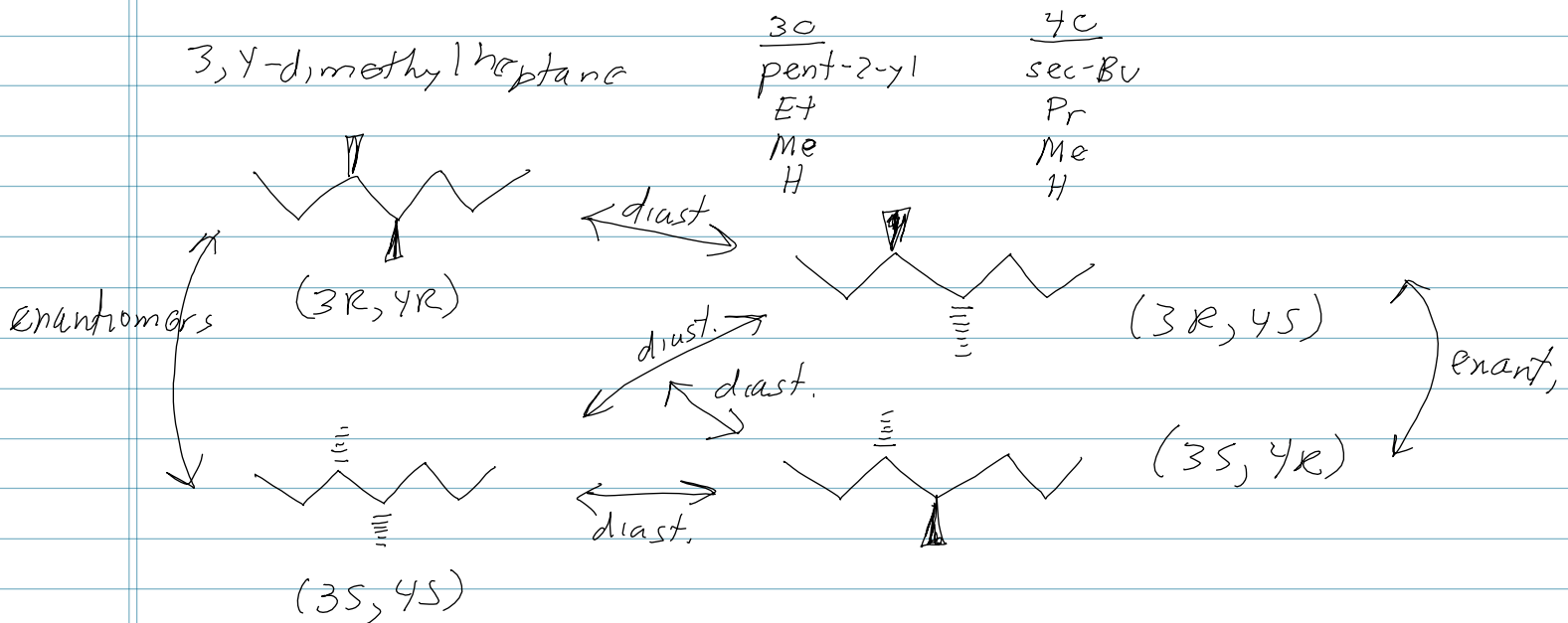


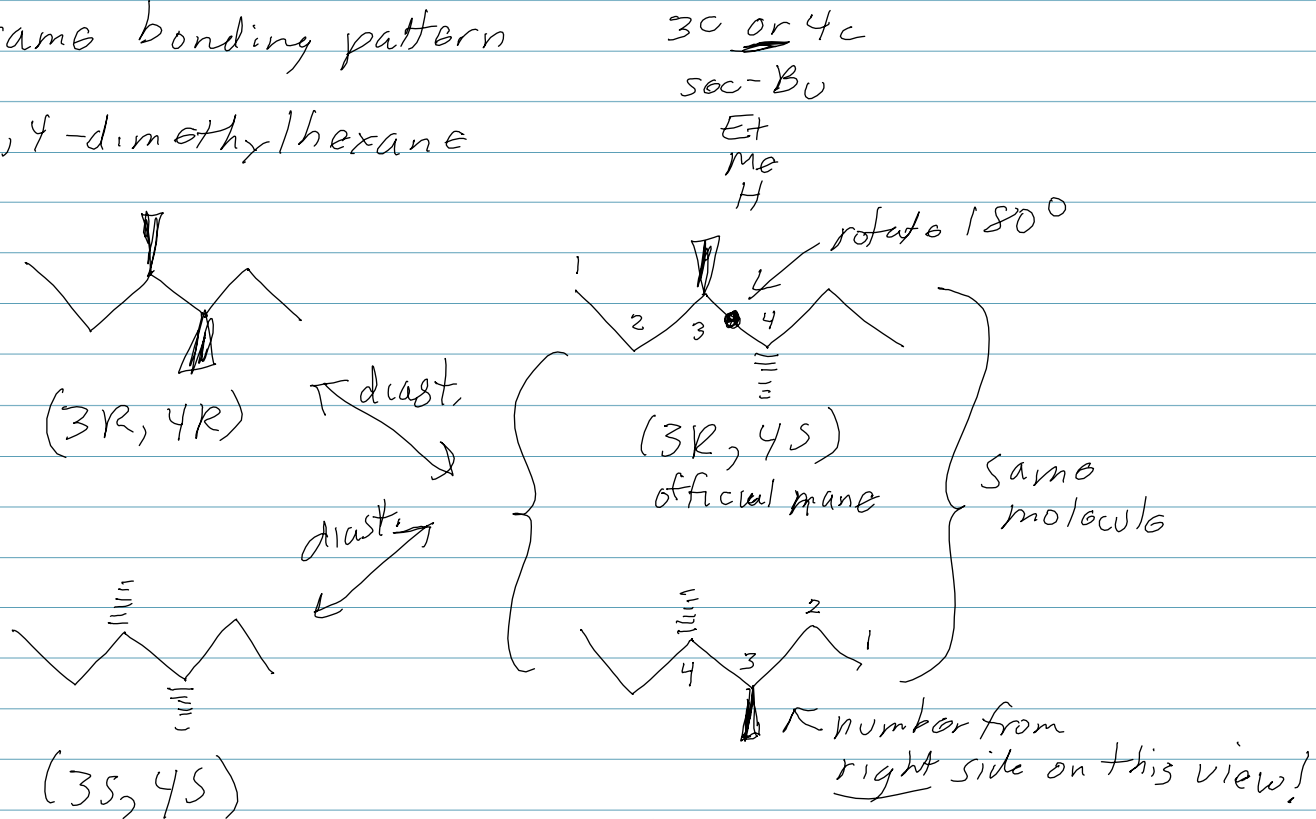
4) 2 (or more) stereogenic carbons $\leftarrow n=2$

i) different bonding patterns $\Rightarrow 2^n$ stereoisomers ($2^2 = 4$ for $n=2$)



ii) same bonding pattern

3,4-dimethylhexane



meso-3,4-dimethylhexane

Even # of stereogenic carbon can lead to meso (achiral) compds

Achiral \Rightarrow don't rotate light