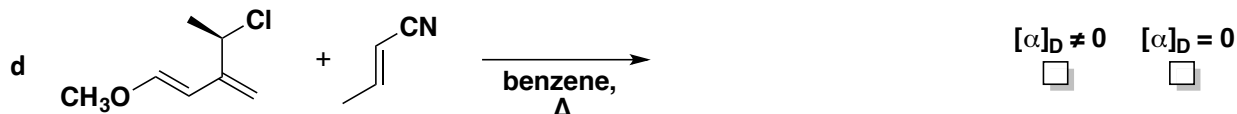
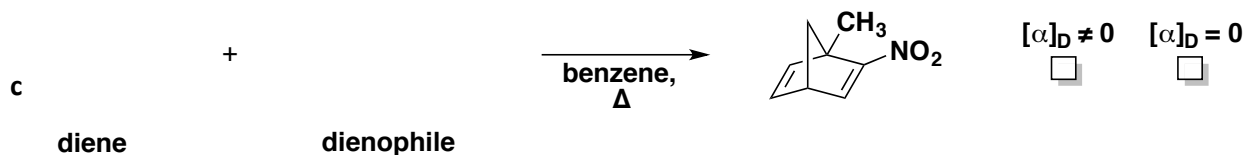
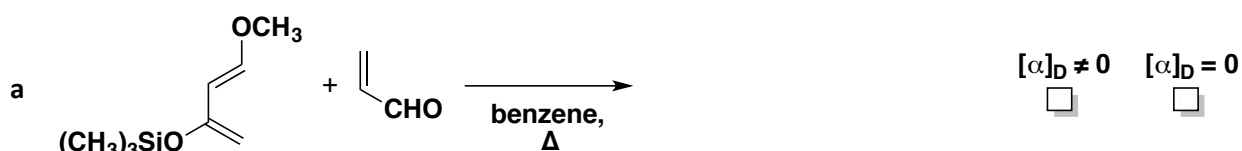


CHE 310 – 002 & 003
Lecture Homework #36

Section 002 Due: Wednesday, April 24, 2019, 9:00 am.

Section 003 Due: Wednesday, April 24, 2019, 10:00 am.

1. Provide the major product(s) or starting material(s). Clearly indicate the stereochemistry in your structures where appropriate. Where more than one stereoisomer is formed you only need to draw one of the stereoisomeric products. Other stereoisomers should be indicated by writing, “+ *enantiomer*” or “+ *diastereomer*”, as appropriate. Check the boxes on the right to indicate whether the reaction product solution would be optically active ($[\alpha]_D \neq 0$) or not optically active ($[\alpha]_D = 0$). Under the check boxes indicate why that box was chosen (possible answers are single enantiomer, diastereomers, racemic, meso and achiral)



2. According to 1931 theory proposed by Hückel, what are the four criteria necessary for a molecule to possess aromaticity?