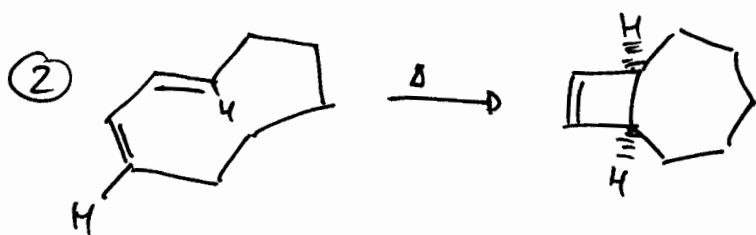
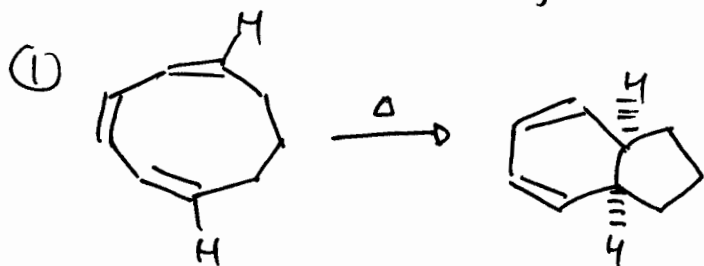
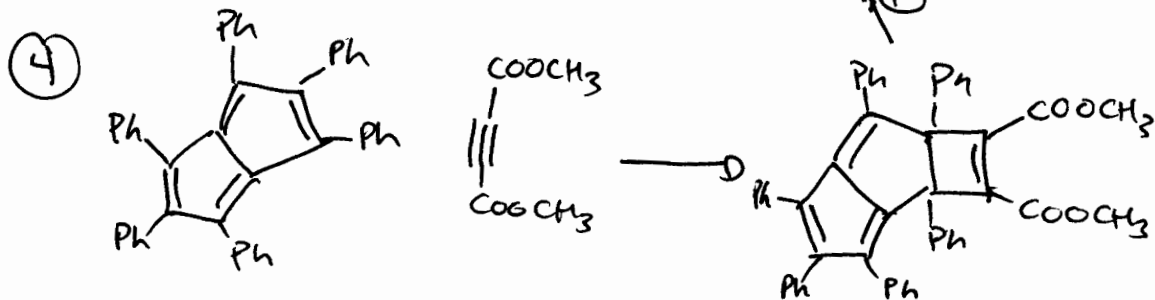
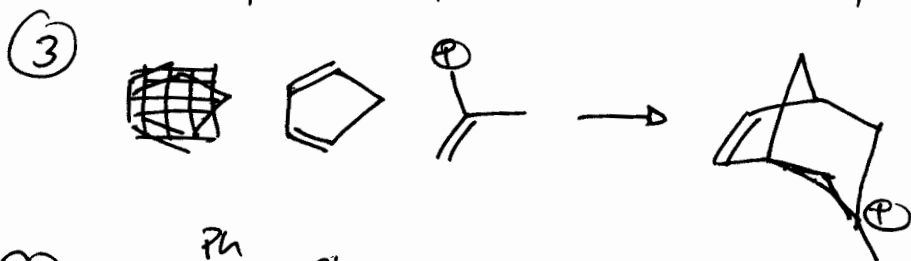


Drill Problems

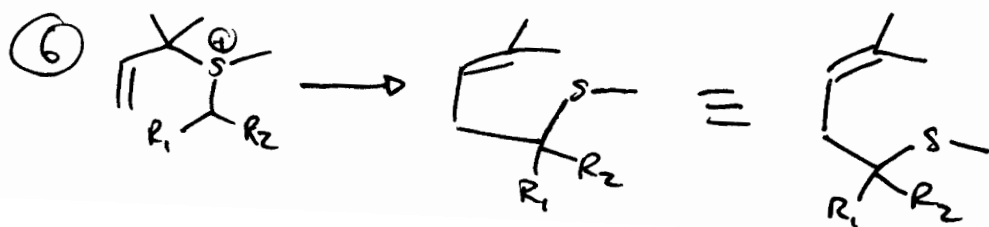
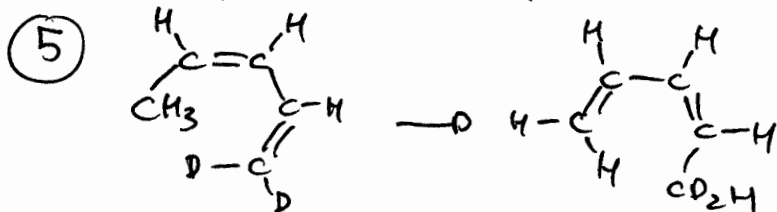
- Draw molecular orbitals and show how electrocyclic reaction occurs including stereochemistry



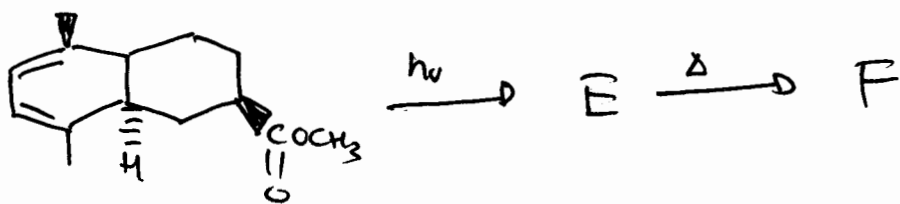
Classify each cycloaddition as $[x+y+\dots]$



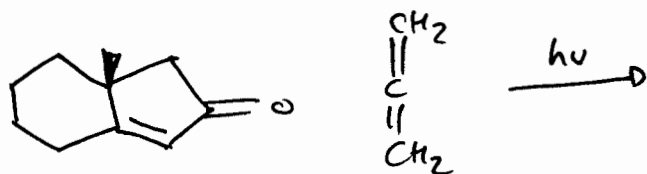
Classify each sigmatropic reaction $[i,j]$



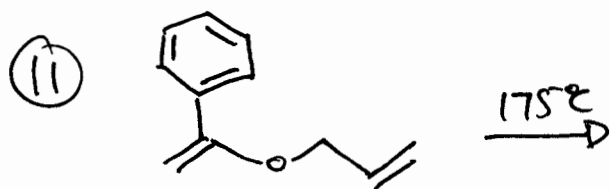
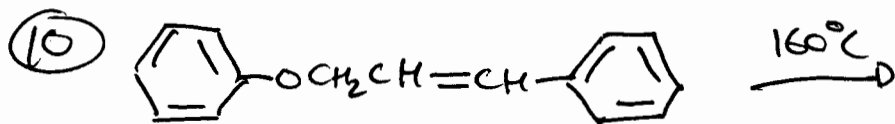
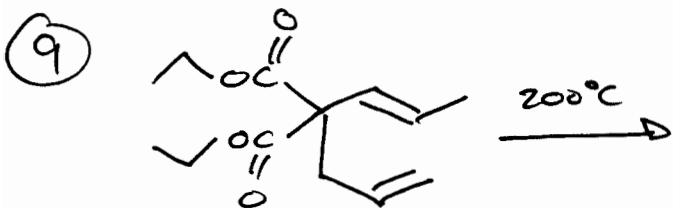
7) Predict products of electrocyclic reaction.



8) Predict product of cycloaddition.



Predict products of sigmatropic rearrangements.



12) Draw the starting materials that will form this product via a 1,3 dipolar addition rxn.

