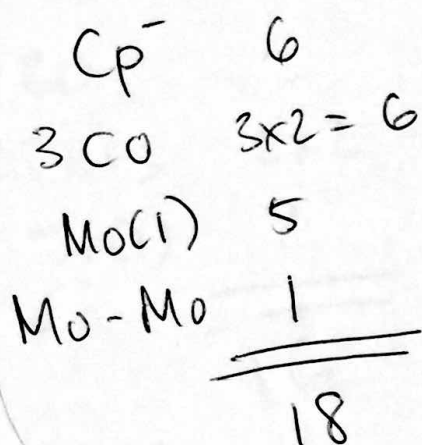
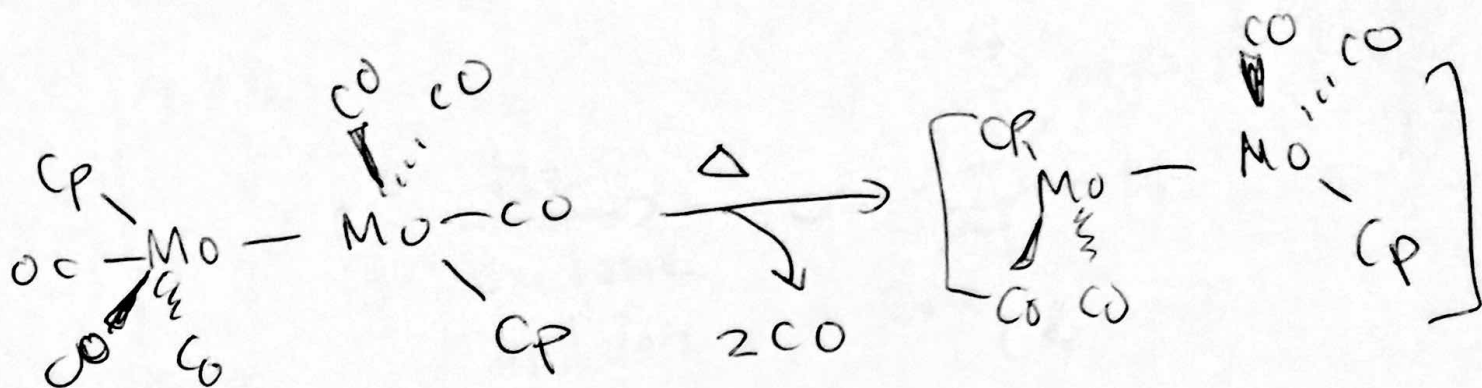


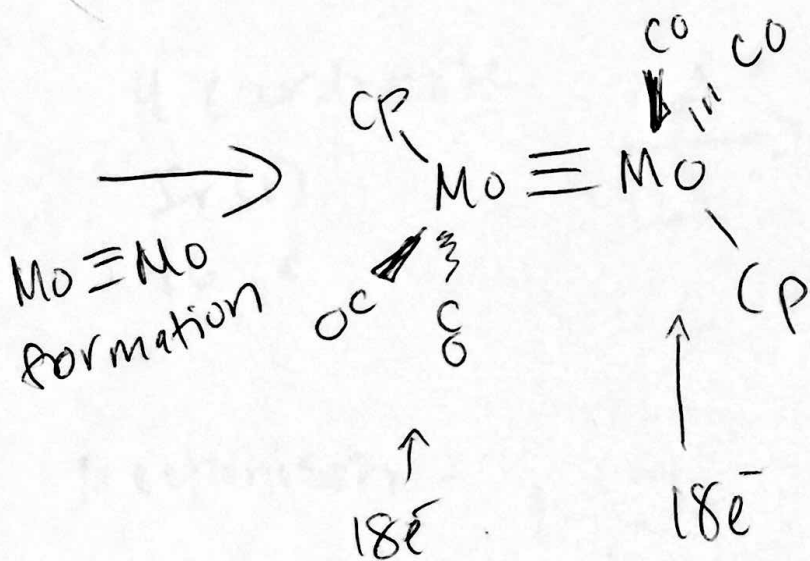
CH431

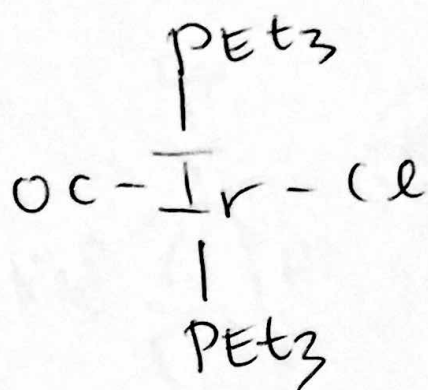
11/22/16



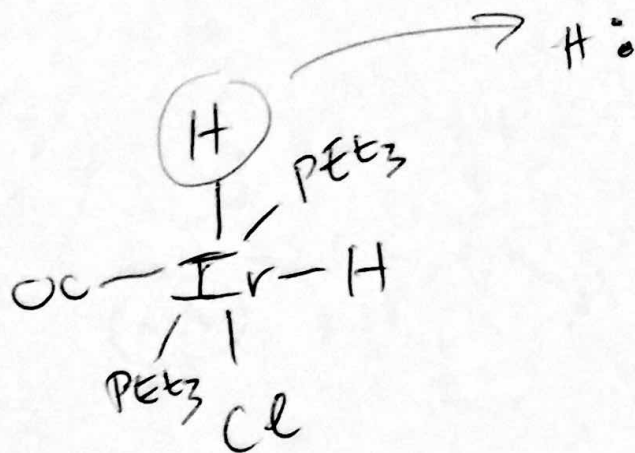
↑
16 e⁻
complexes (less
stable)

ligand dissociation
+ rearrangement

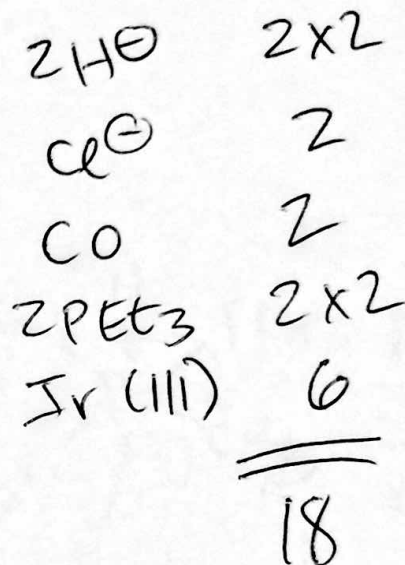
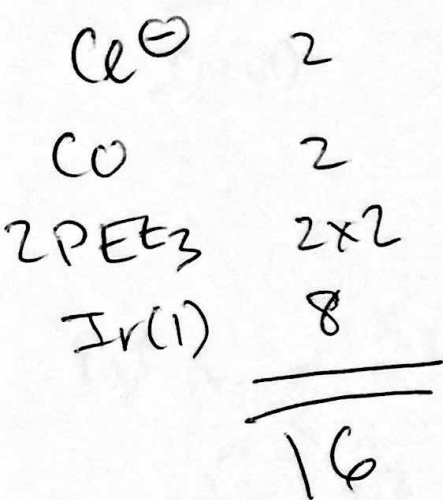




$\xrightarrow{\text{H}_2}$
oxidative
addition



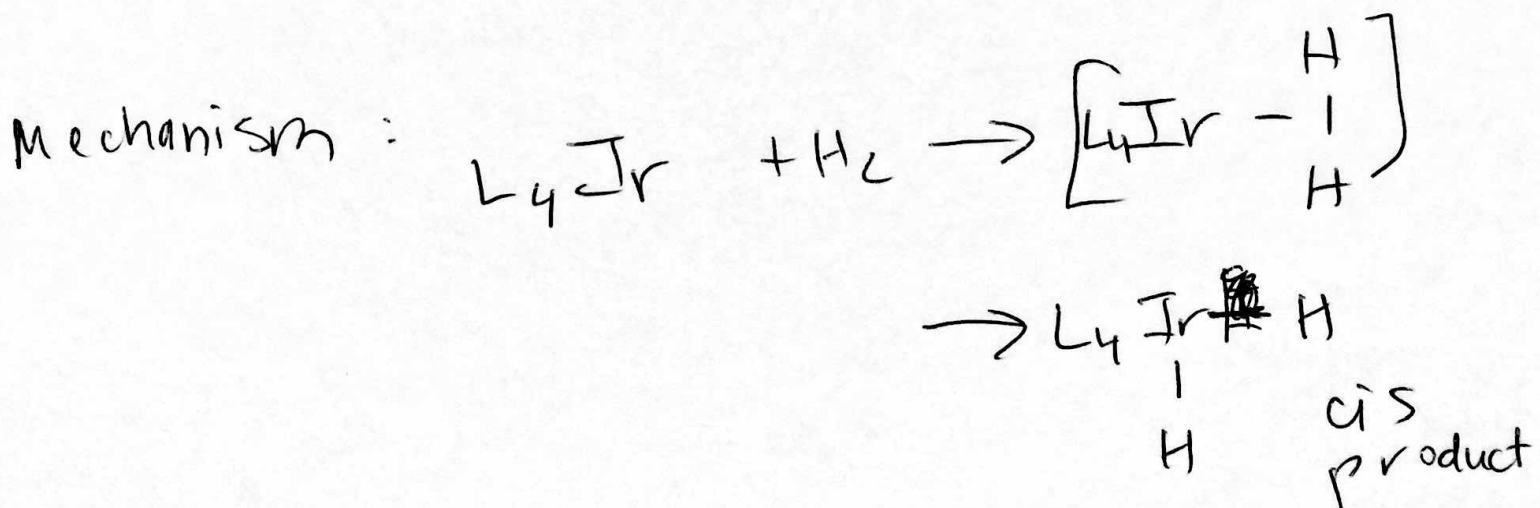
$\xleftarrow{\quad}$
reductive
elimination

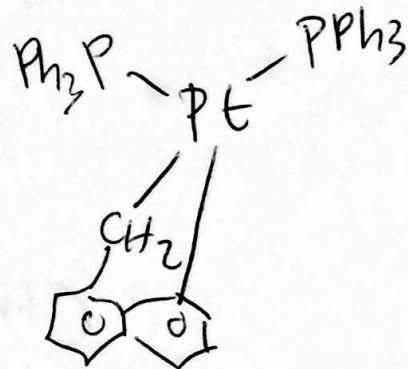
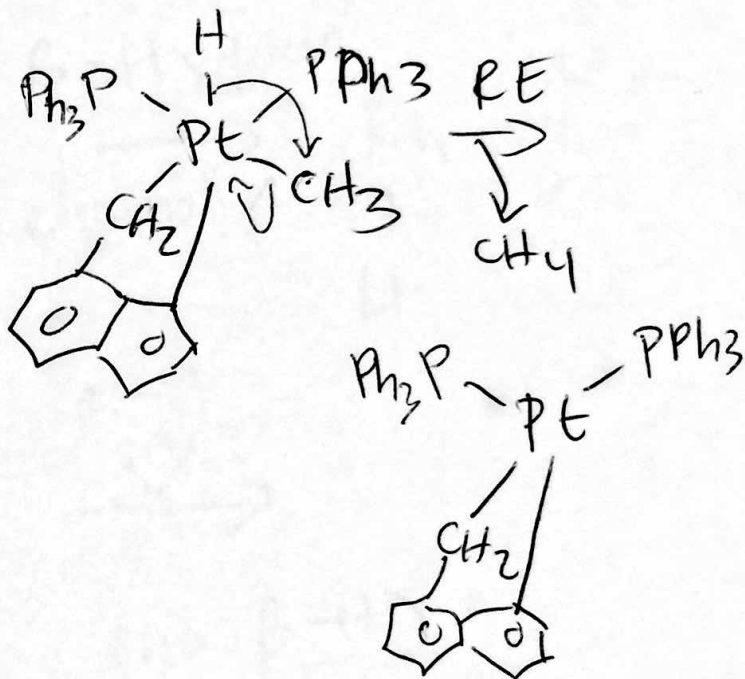
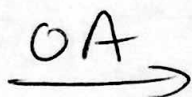
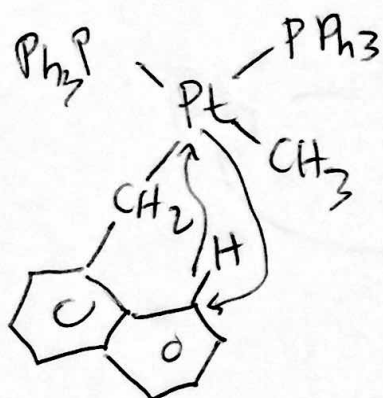
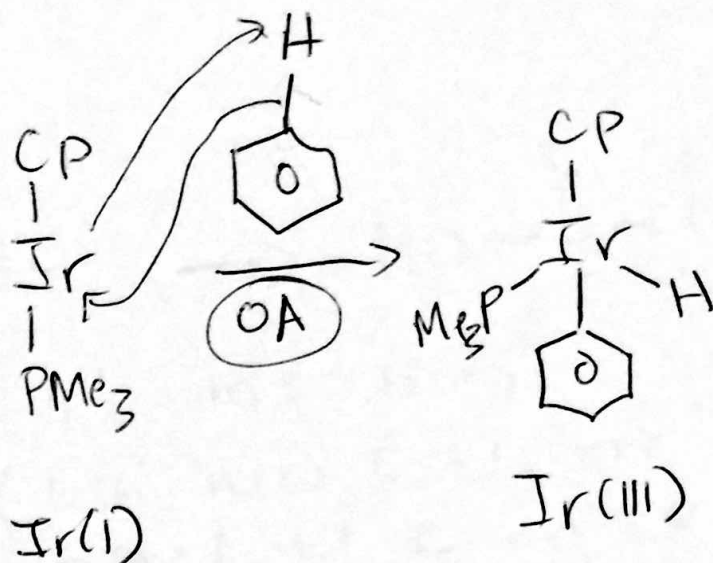
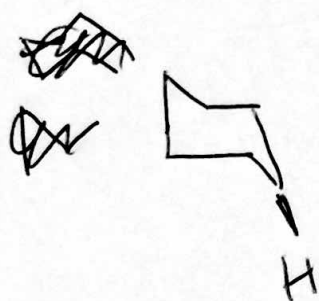
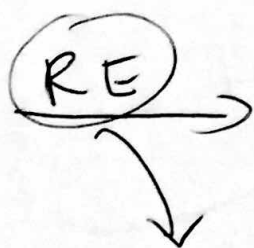


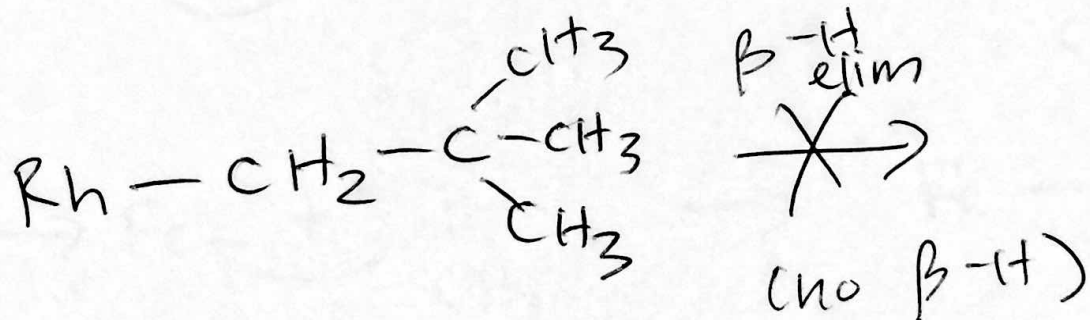
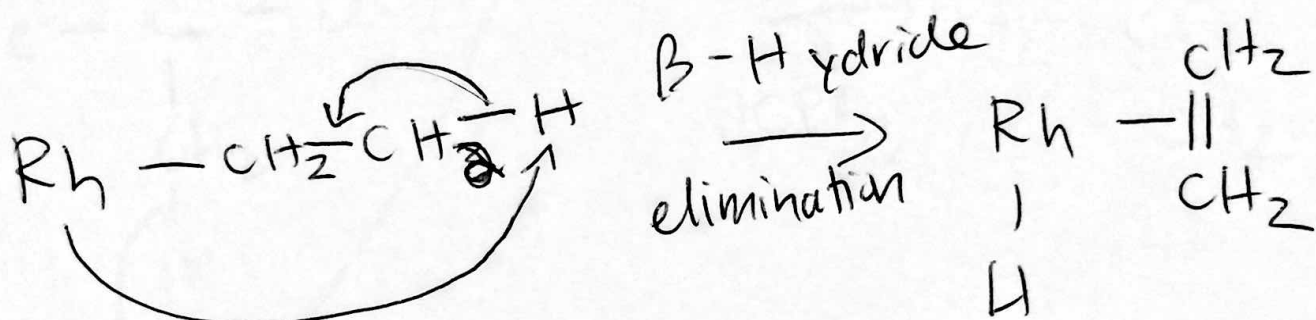
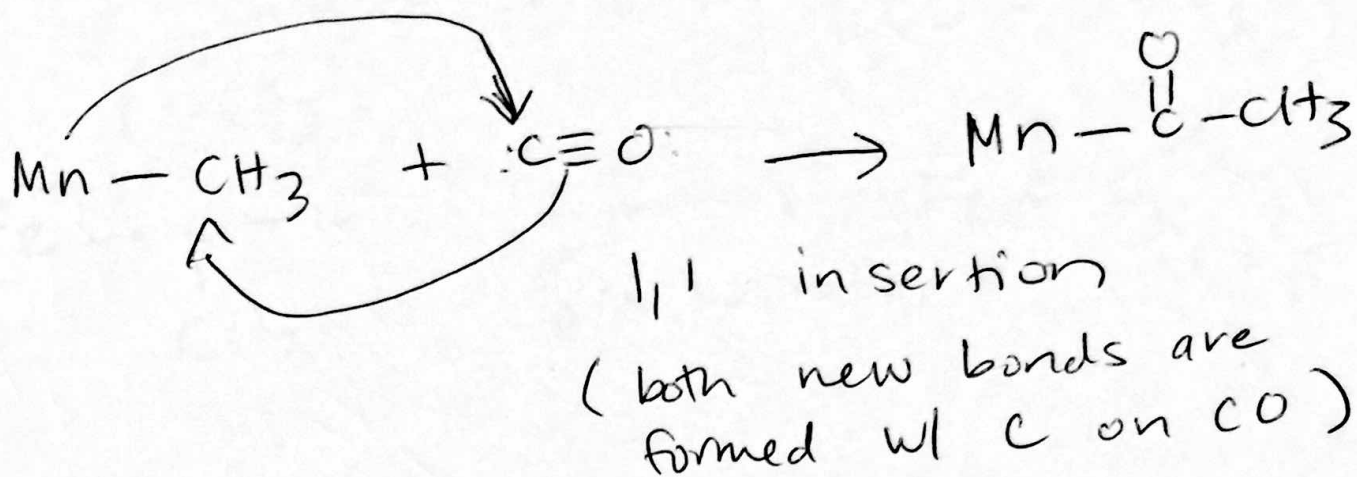
4 coordinate
Ir(I)
16 e⁻

$\xrightarrow{\text{OA}}$
 $\xleftarrow{\text{RE}}$

6 coordinate
Ir(III)
18 e⁻







this complex is stable to $\beta\text{-H}$ elimination

