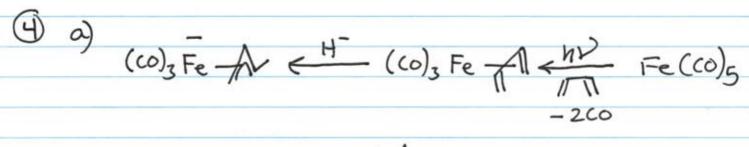
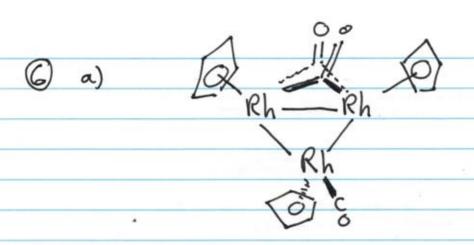


3) With Rh, this must be a seguence additions / reductive climinations to e observed products. To see CHy, oxi of Dz cannot happen first and the R.E. R.E.

Phz (C6H4D)

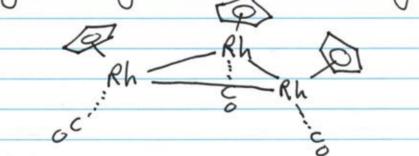


(5) a) (4) b)
$$C_{p_2} = 1$$
 (c) $Me_3 = 0^+ 1 = 1$



b) Implies CO does not dissociate during exchange

c) Simplest explanation is that it simply goes through a symmetrical unbridged intermediate:



Any Co can then re-enter the bridge.

- d) If you have rate data for each temperature, then you can plot In (k/T) vs. /T and you should get a straight line with an intercept of ΔS^{\ddagger} In (\(\forall k_b\))
- e) Likely small and positive. Since there is no dissociation involved, DS & should be small. Probably positive because the lack of bridging CO means more degrees of freedom for bond rotations, bends (last constrained).