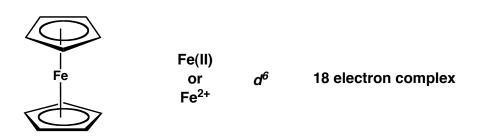
Chem 41c Quiz 1

Stoltz, Spring 2006 April 7, 2006

In the following complexes, what is the formal oxidation state of the metal, the d^n description, and the electron count? Feel free to use the periodic table in the room (no partial credit-5 points each)

1.



2.

(PPh₃)₃RhCl or
$$d^8$$
 16 electron complex Rh¹⁺

Predict the products (if any) of the following reactions: (5 points each)

3.

4.

Bonus (5 points)

In the following complex, what is the formal oxidation state of the metal, the d^n description, and the electron count? Feel free to use the periodic table in the room (no partial credit)

