

- \* X-1 \_\_\_\_\_C \_\_\_\_\_NC  
 \*\* XI-1 \_\_\_\_\_C \_\_\_\_\_NC  
 \*\*\* XI-2 \_\_\_\_\_C \_\_\_\_\_NC

**Chemistry 152  
Worksheet 10**

Name: \_\_\_\_\_

A. (3.0 pts.) Fill in the blanks for each of the following coordination compounds.



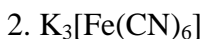
\*Name \_\_\_\_\_

Coordination Sphere \_\_\_\_\_

\*Center of Coordination \_\_\_\_\_

\*Ligands \_\_\_\_\_ (Underline the donor atom of the ligand  
 \_\_\_\_\_ where applicable)  
 \_\_\_\_\_

Coordination Number \_\_\_\_\_



Name \_\_\_\_\_

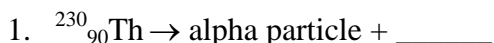
Coordination Sphere \_\_\_\_\_

Center of Coordination \_\_\_\_\_

Ligands \_\_\_\_\_ (Underline the donor atom of the ligand  
 \_\_\_\_\_ where applicable)  
 \_\_\_\_\_

Coordination Number \_\_\_\_\_

\*\*B. (1.0 pts.) Fill in the blanks in the following nuclear equation.



\*\*\*C. (2.0 pts.) A certain radioisotope has a half-life of 47.9 days. Determine the mass of an 80.0g sample remaining after 92.0 days.