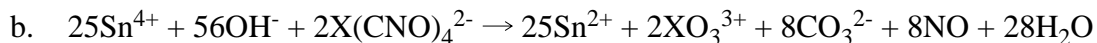
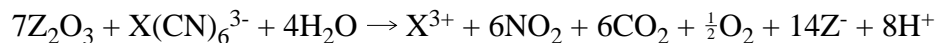


ANSWERS TO ADDITIONAL REDOX QUESTIONS

1. a. One possible answer is:

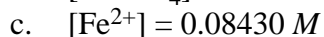
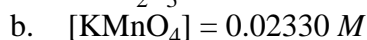


- c. One possible answer is:



(FOR DETAILED SOLUTION SEE POSTED ANSWERS OUTSIDE CHEMISTRY LAB)

2. a. % $Sb_2S_3 = 45.24\%$



(FOR DETAILED SOLUTION SEE POSTED ANSWERS OUTSIDE CHEMISTRY LAB)

3. a. Molar mass of $M_3Fe(C_2O_4)_3 = 437 \text{ g/mol}$

- b. 6/7 of the total volume of $KMnO_4$ used in the titration went to react with the oxalate ions.

(FOR DETAILED SOLUTION SEE POSTED ANSWERS OUTSIDE CHEMISTRY LAB)