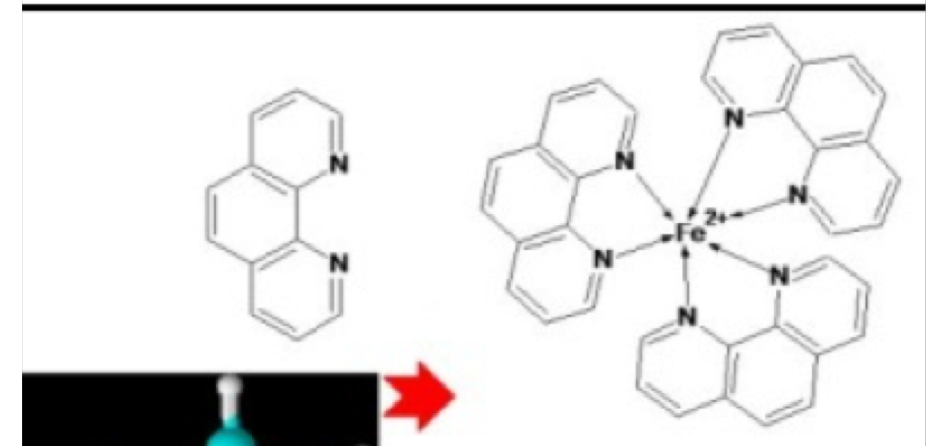




QA III
DPEG



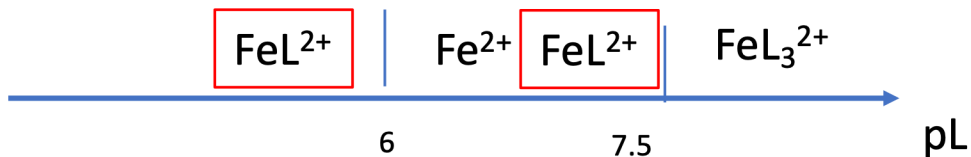
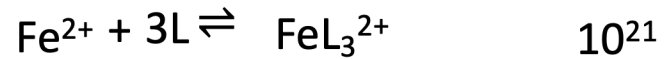
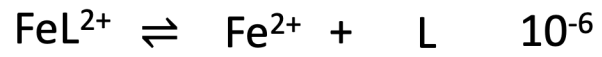
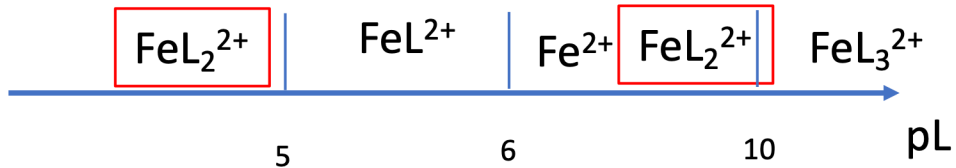
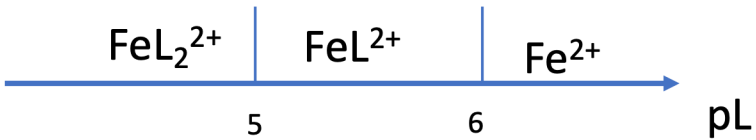
Fe(II)/ (op-phenH)_n

1.0 Trazar sendos diagramas para los siguientes cationes metálicos y reactivos de color:

	Catión metálico	ligante	datos ⁽²⁾ (redondeados)
1)	Fe(II)	o-fenantrolina ^[1]	logβ(n):(1)6;(2)11;(3)21 pKa _{H(i)L} :(1)4; pKs: 15

1.0 Trazar sendos diagramas para los siguientes cationes metálicos y reactivos de color:

Catión metálico	ligante	datos ⁽²⁾ (redondeados)
1) Fe(II)	o-fenantrolina ^[1]	logβ(n):(1)6;(2)11;(3)21 pK _{aH(O)L} :(1)4; pKs: 15

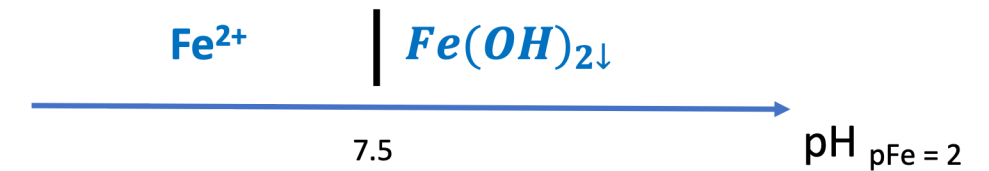


$$\text{Log } \beta_n = pK_1 + pK_2 + \dots + pK_n$$

DUZP protonación ligante:



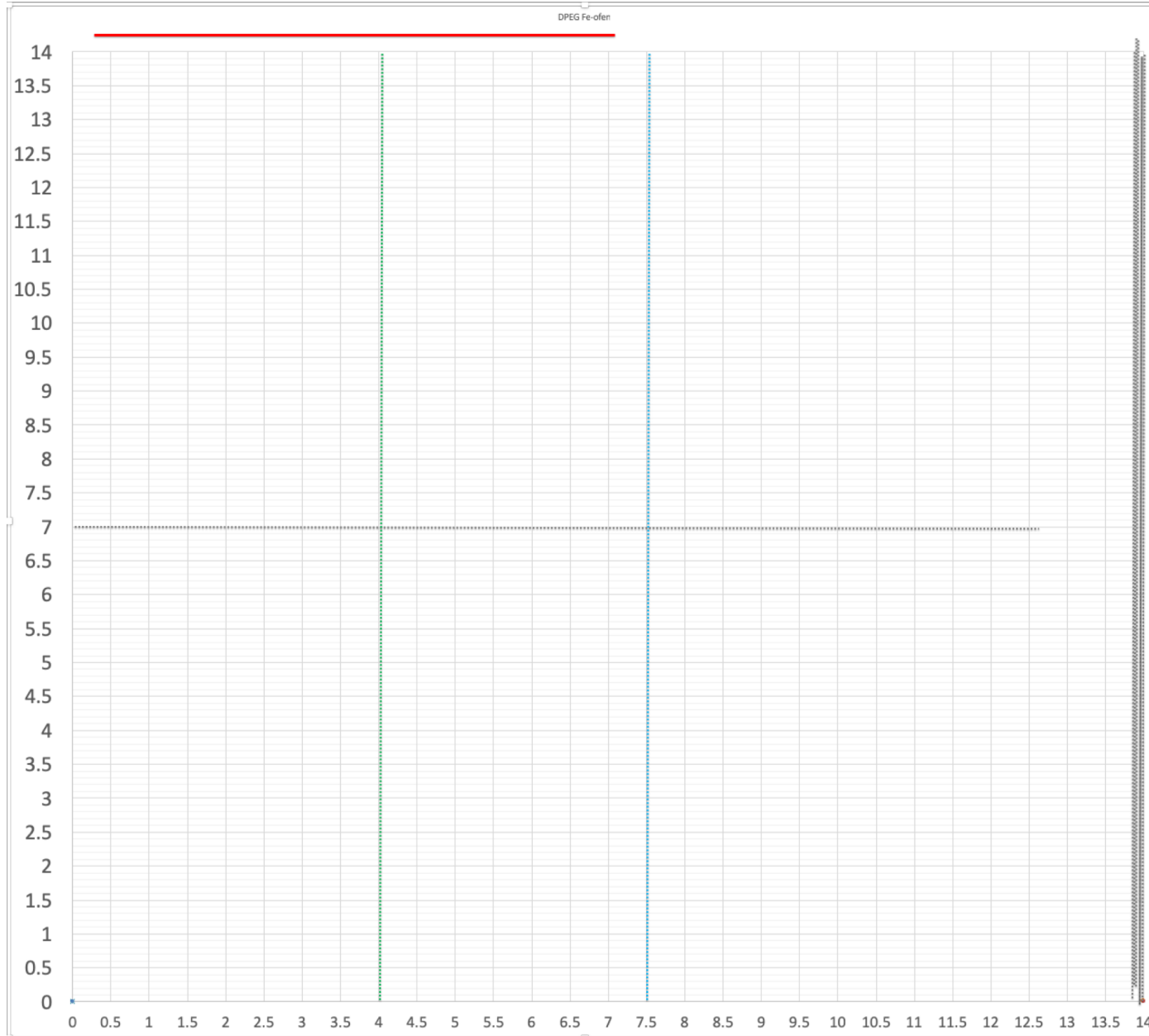
DUZP complejos hidróxido:



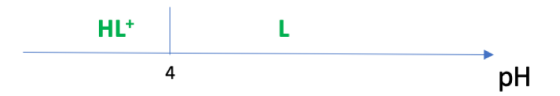
DUZP complejos:



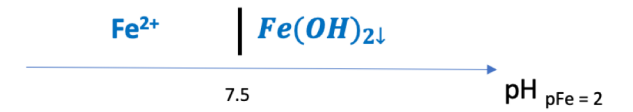
PASO 1:



DUZP protonación ligante:



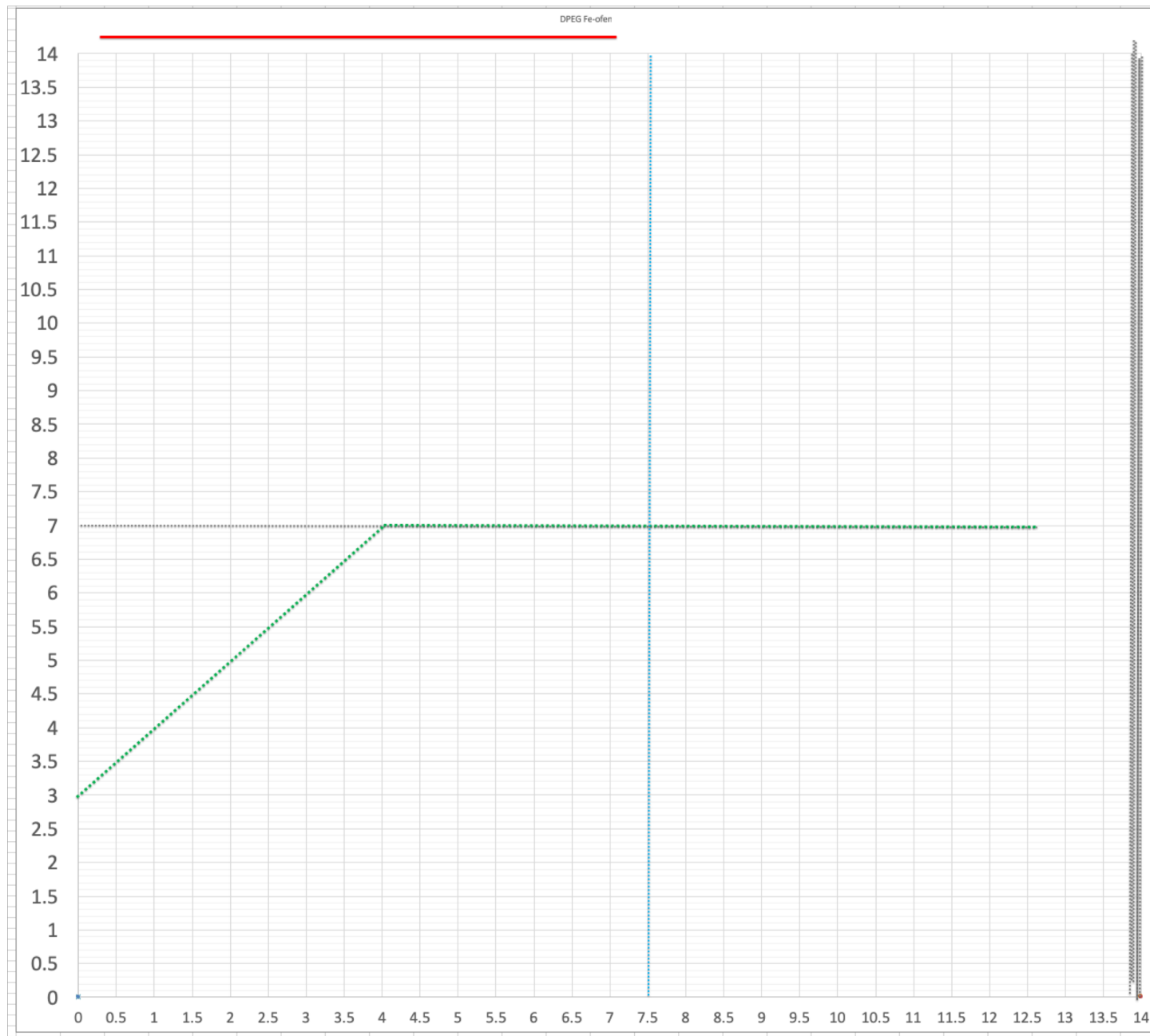
DUZP complejos hidróxido:



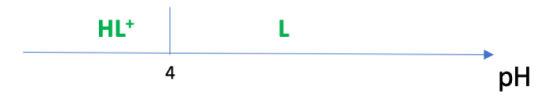
DUZP complejos:



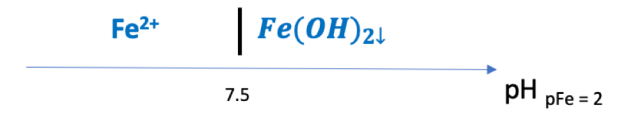
PASO 2:



DUZP protonación ligante:



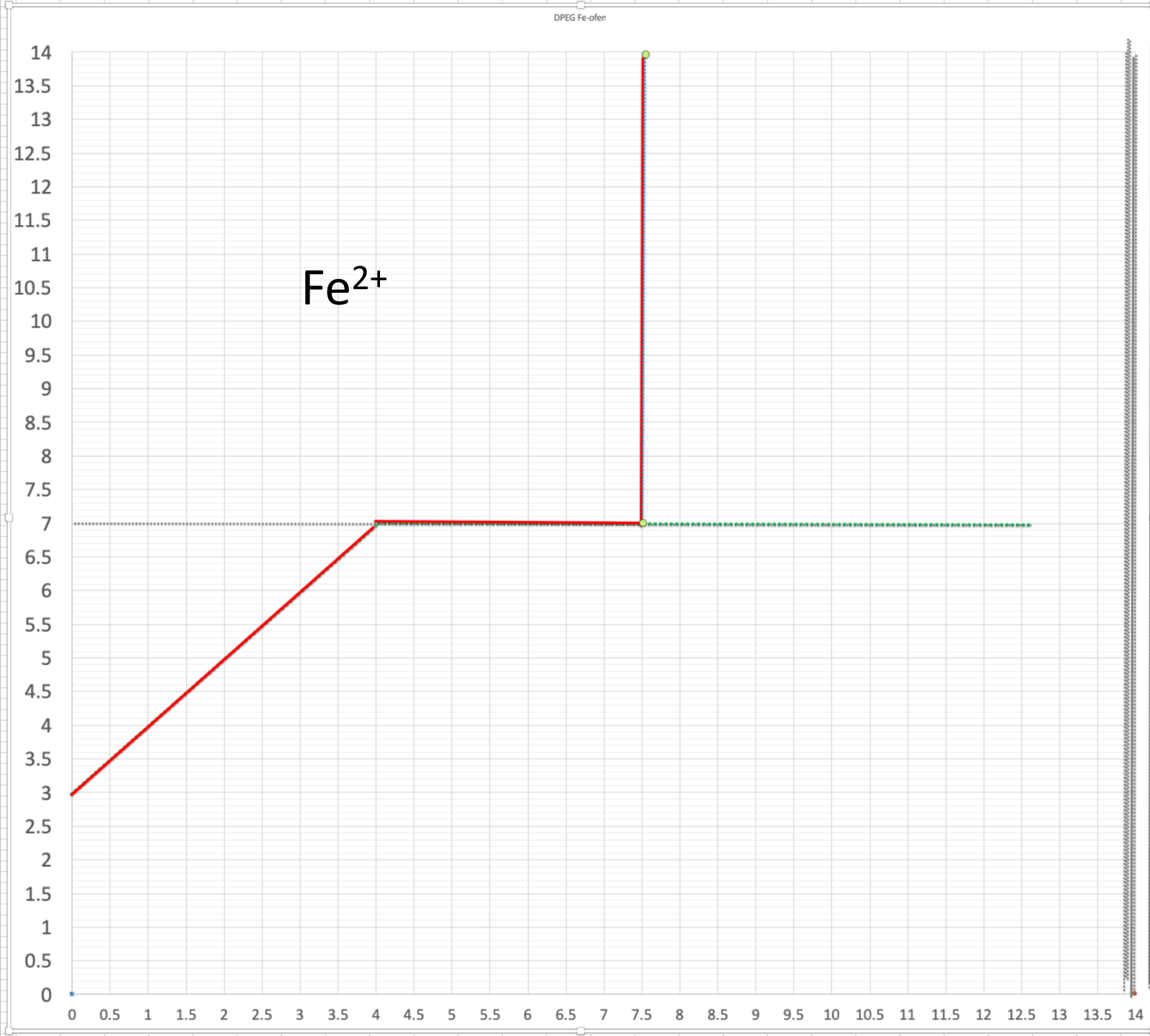
DUZP complejos hidróxido:



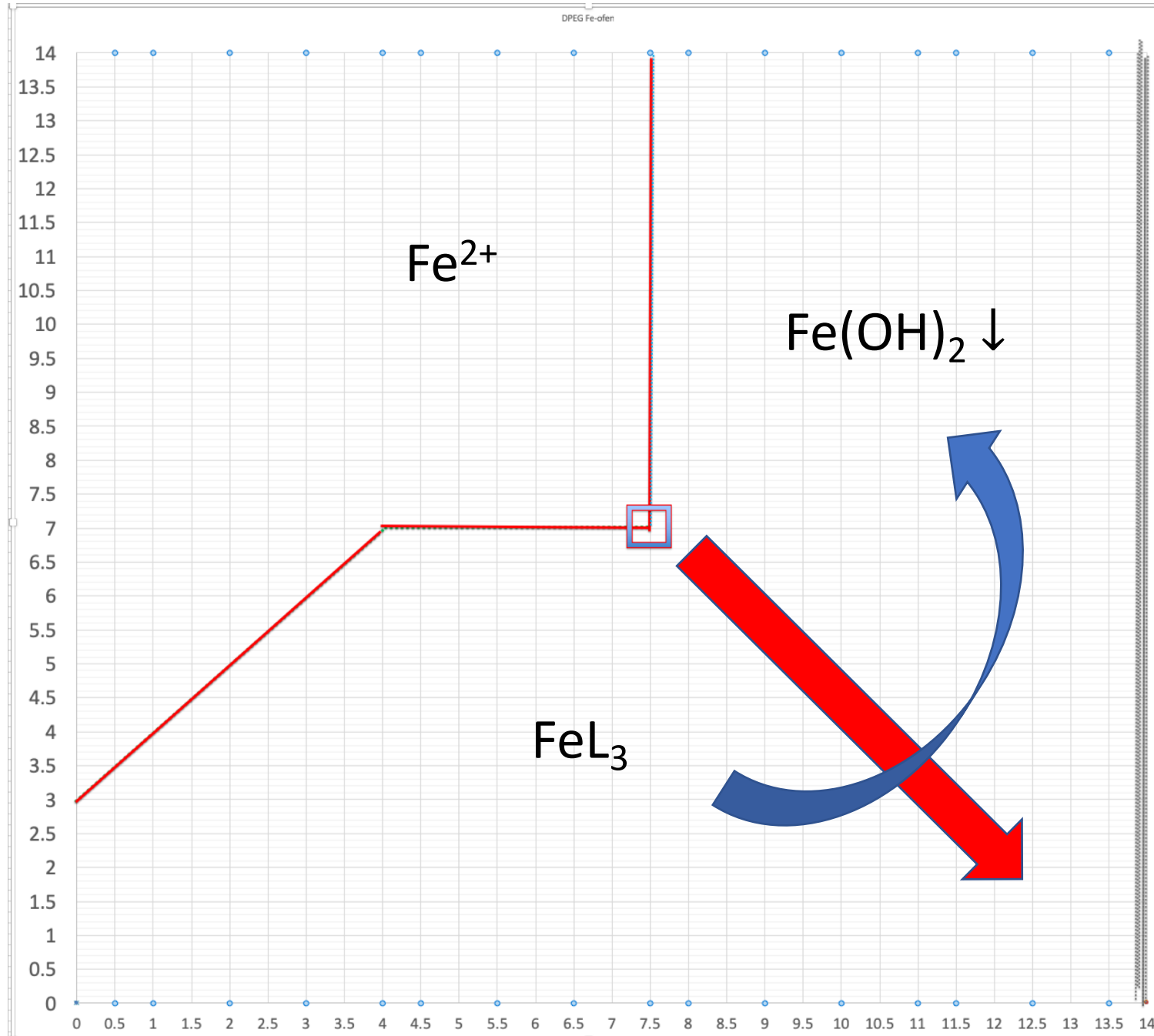
DUZP complejos:



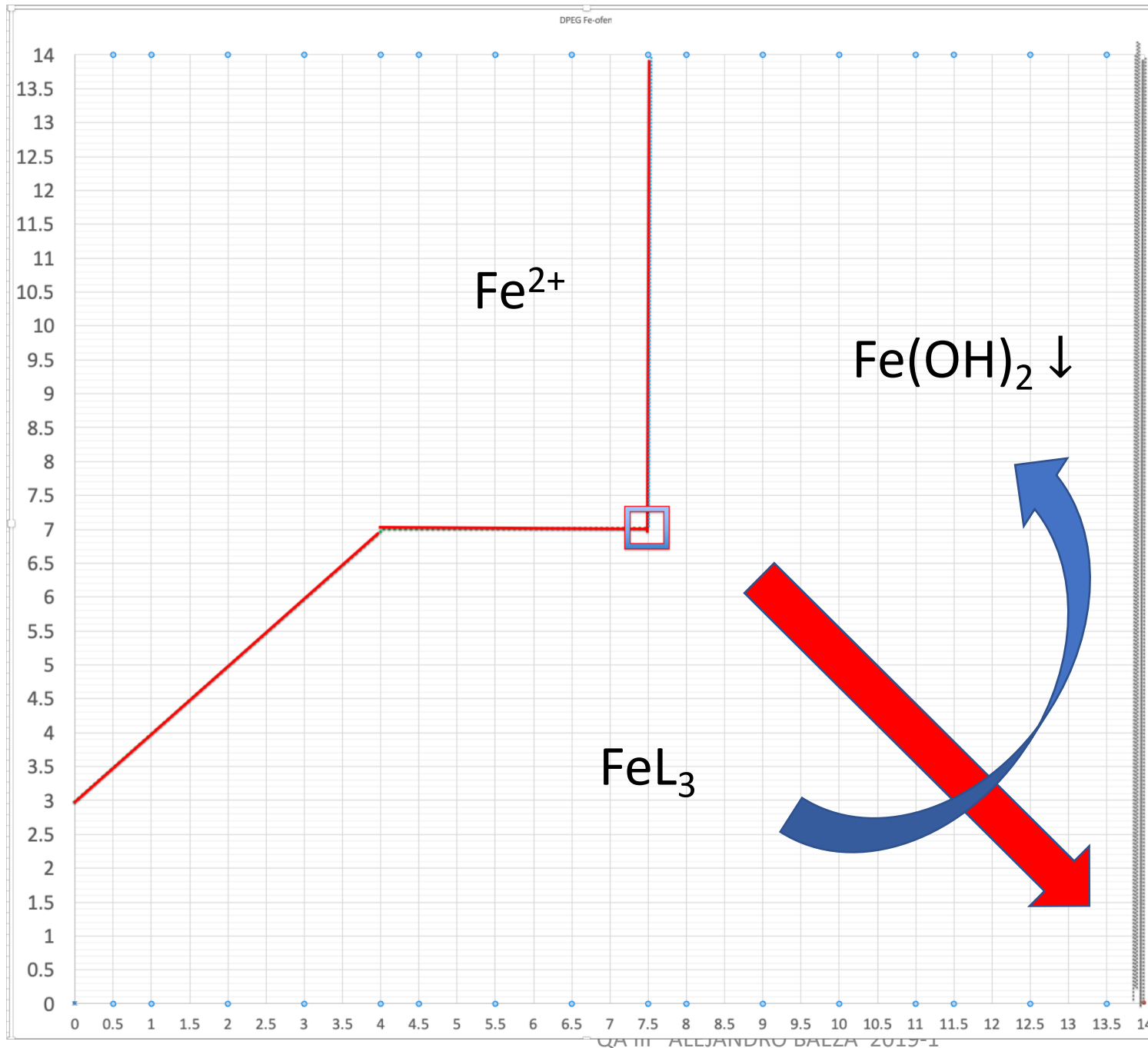
PASO 3:



PASO 4:



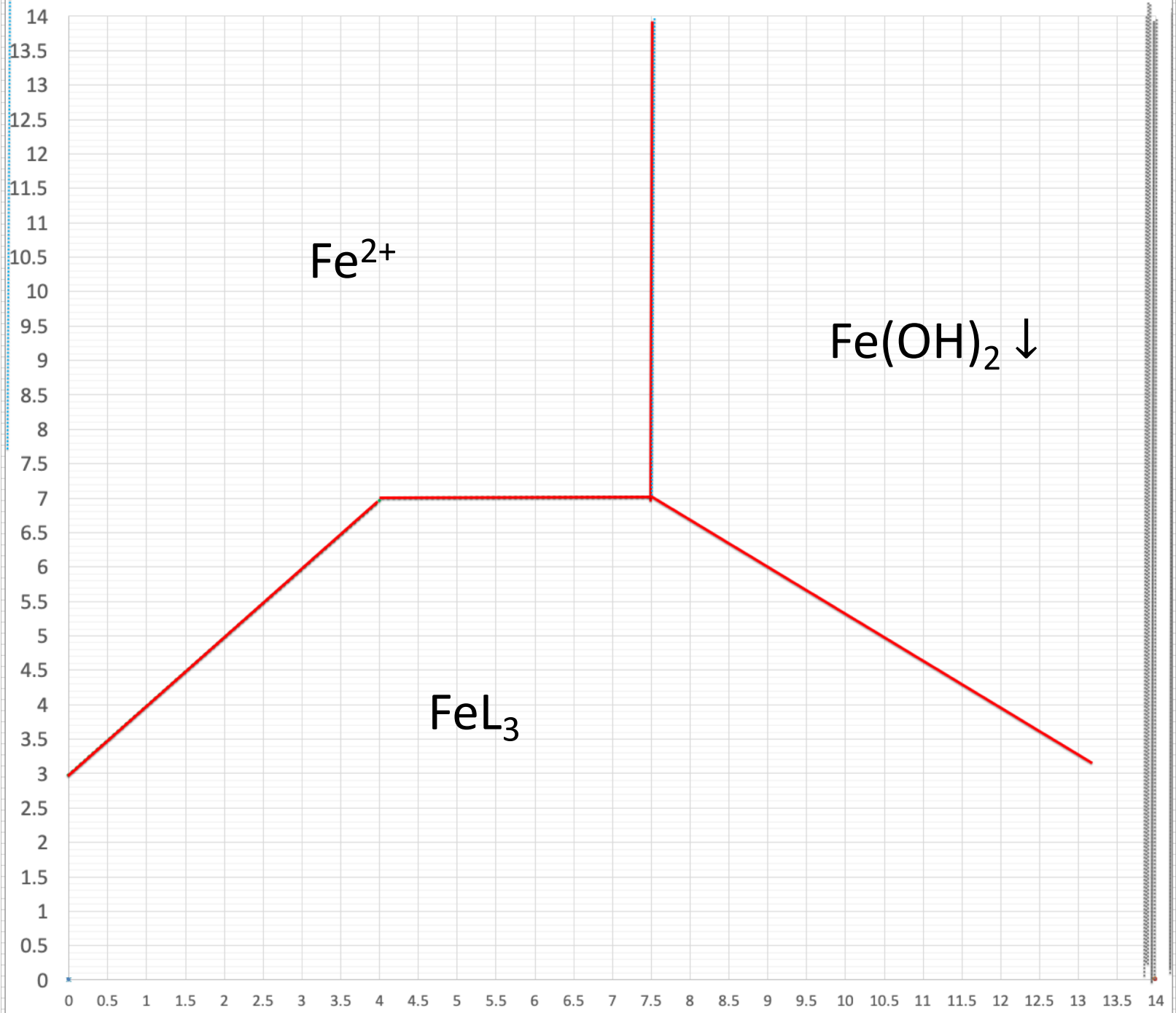
PASO 5:



$$1L : 2/3 H$$

$$m = -2/3$$

pL



pH