

# QA III sem. 2022-II

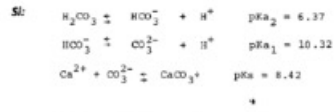
Trazo rápido DZPE

Carbónico/bicarbonato/carbonato-Ca

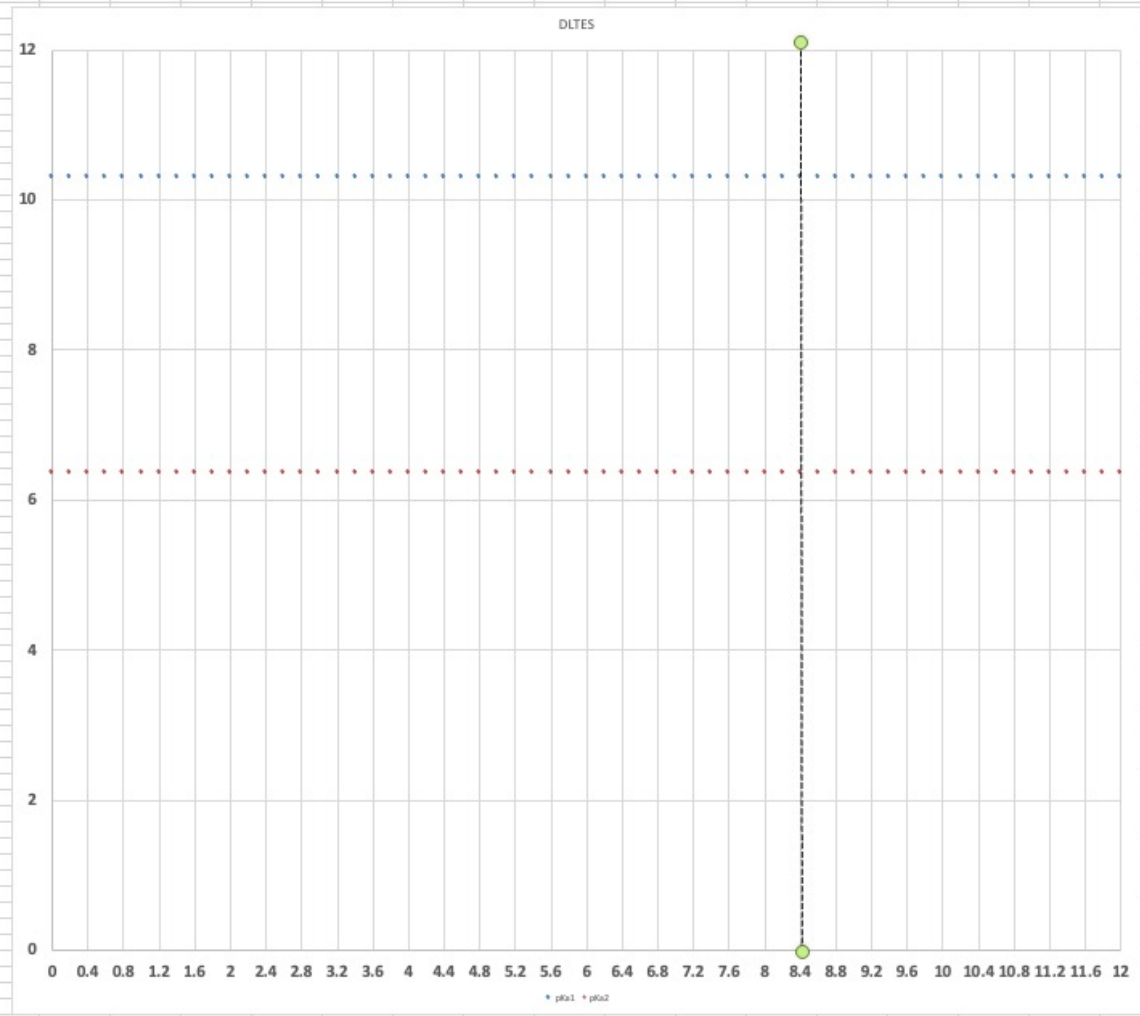
FQ UNAM

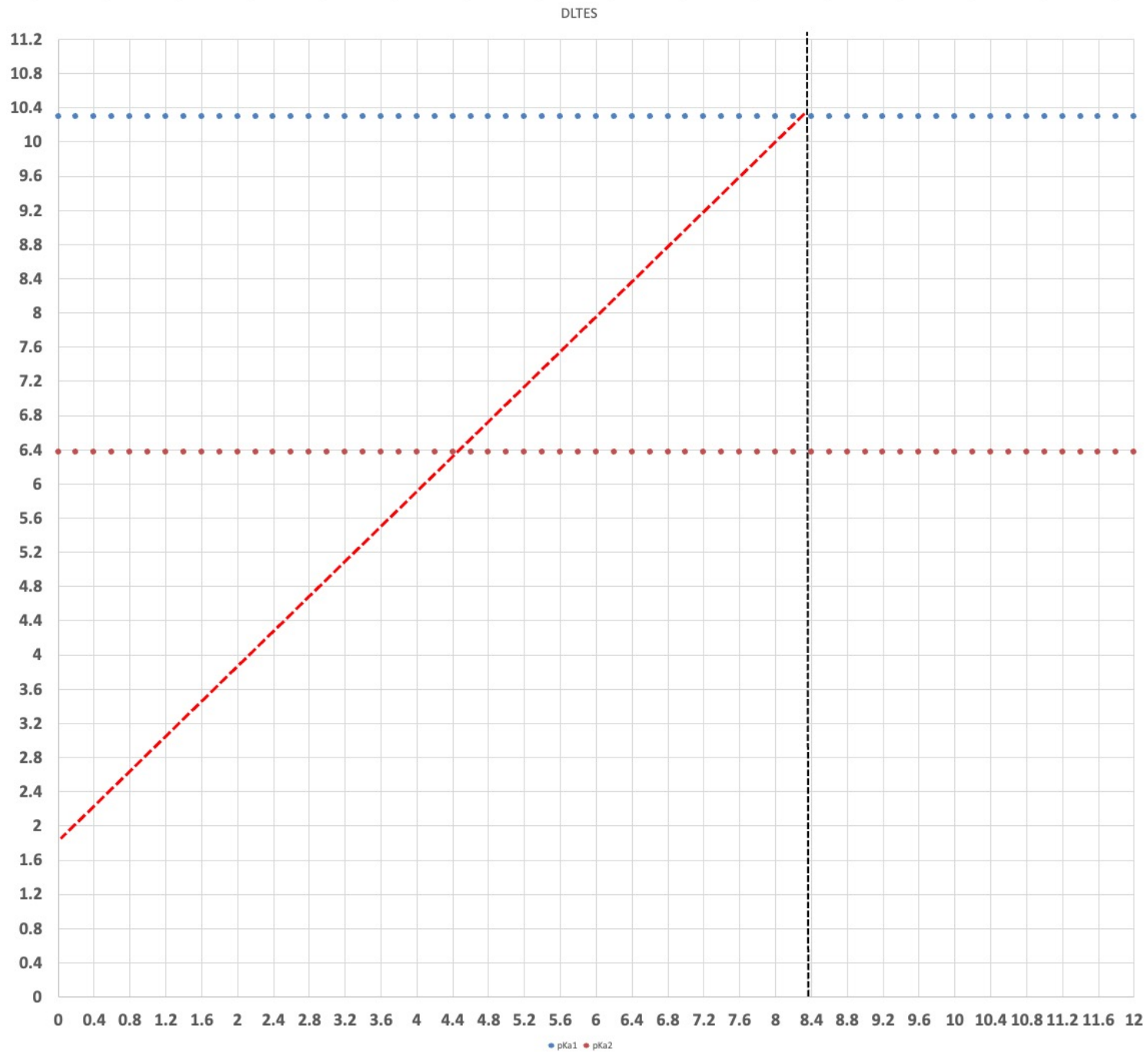
Prof. Alejandro BAEZA

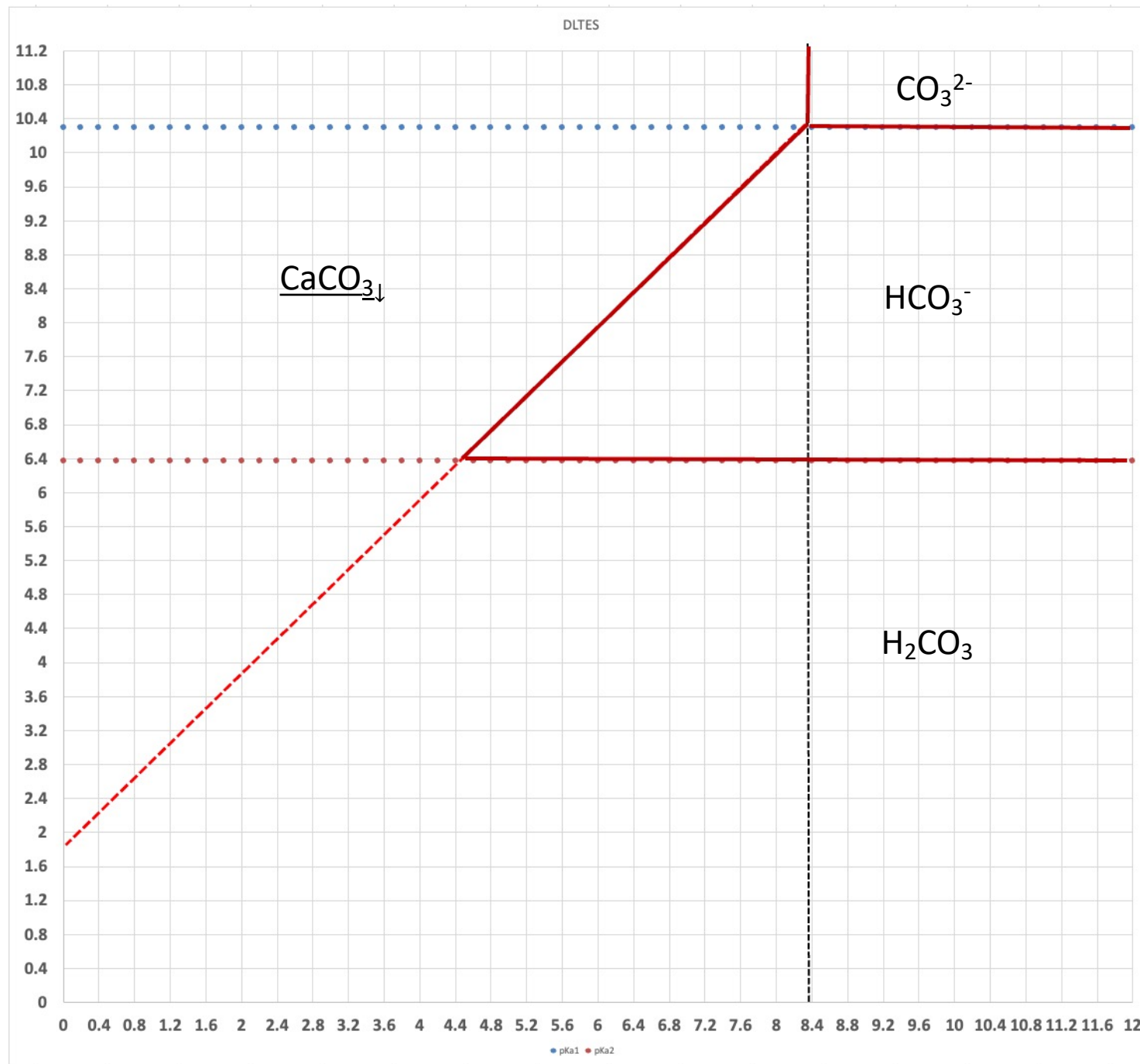
trazo rápido del DZPE del ácido carbónico/bicarbonato/carbonato-Ca



pCa	pKa1	pKa2
0	10.3	6.37
0.2	10.3	6.37
0.4	10.3	6.37
0.6	10.3	6.37
0.8	10.3	6.37
1	10.3	6.37
1.2	10.3	6.37
1.4	10.3	6.37
1.6	10.3	6.37
1.8	10.3	6.37
2	10.3	6.37
2.2	10.3	6.37
2.4	10.3	6.37
2.6	10.3	6.37
2.8	10.3	6.37
3	10.3	6.37
3.2	10.3	6.37
3.4	10.3	6.37
3.6	10.3	6.37
3.8	10.3	6.37
4	10.3	6.37
4.2	10.3	6.37
4.4	10.3	6.37
4.6	10.3	6.37
4.8	10.3	6.37
5	10.3	6.37
5.2	10.3	6.37
5.4	10.3	6.37
5.6	10.3	6.37
5.8	10.3	6.37
6	10.3	6.37
6.2	10.3	6.37
6.4	10.3	6.37
6.6	10.3	6.37
6.8	10.3	6.37
7	10.3	6.37
7.2	10.3	6.37
7.4	10.3	6.37
7.6	10.3	6.37
7.8	10.3	6.37
8	10.3	6.37
8.2	10.3	6.37
8.4	10.3	6.37
8.6	10.3	6.37
8.8	10.3	6.37
9	10.3	6.37
9.2	10.3	6.37
9.4	10.3	6.37
9.6	10.3	6.37
9.8	10.3	6.37
10	10.3	6.37
10.2	10.3	6.37
10.4	10.3	6.37
10.6	10.3	6.37
10.8	10.3	6.37
11	10.3	6.37
11.2	10.3	6.37
11.4	10.3	6.37
11.6	10.3	6.37
11.8	10.3	6.37
12	10.3	6.37
12.2	10.3	6.37
12.4	10.3	6.37
12.6	10.3	6.37
12.8	10.3	6.37
13	10.3	6.37







$$\text{pH} = \text{pKa}'$$

$$\text{pH} = \frac{1}{2}(\text{pKa}_1' + \text{pKa}_2')$$

