Mini-quiz 13 Chem 1013 4 MARCH 2013 6 pts

Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**13.1 Compute the log values below:**

1. **log (6.02\*1023) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **log (6.626 \*10-34) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13.2 Compute the pH of :**

1. **[H+] = 1\*10-6 pH = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **[H+] =3\*10-2  pH = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **[H+] =3\*10-14 pH =\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13.3 Which solution(s) in problem 13.2 is(are) basic ? \_\_\_\_\_\_\_\_\_\_\_**

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