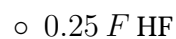
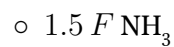


Quiz 14.3 – Weak Acids and Weak Bases

Name: _____

Question 1

Find the pH for each of the following solutions:

**Question 2**Find the *pH*, [H₂C₄H₄O₅], [HC₄H₄O₅⁻], and [C₄H₄O₅²⁻] for a 0.300 *F* solution of malic acid

$$K_{a1} = 4.0 \times 10^{-4}$$

$$K_{a2} = 6.3 \times 10^{-6}$$

Question 3Find the *pH* for a 1.5 *F* solution of NaClO

귀천 (*Back to Heaven*)

By 천상병 (Cheon Sang-byeong)

나 하늘로 돌아가리라
새벽빛 와 닿으면 스러지는
이슬 더불어 손에 손을 잡고,

나 하늘로 돌아가리라.
노을빛 함께 단둘이서
기슭에서 놀다가 구름 손짓하며는,

나 하늘로 돌아가리라.
아름다운 이 세상 소풍 끝내는 날,
가서, 아름다웠더라고 말하리라...

I'll go back to heaven again
hand in hand with the dew
that melts at the touch of the dawning day,

I'll go back to heaven again.
After playing on the slopes with the dusk,
when the clouds beckon,

I'll go back to heaven again.
On the last day of my outing to this beautiful world,
I'll go back and say: it was beautiful...