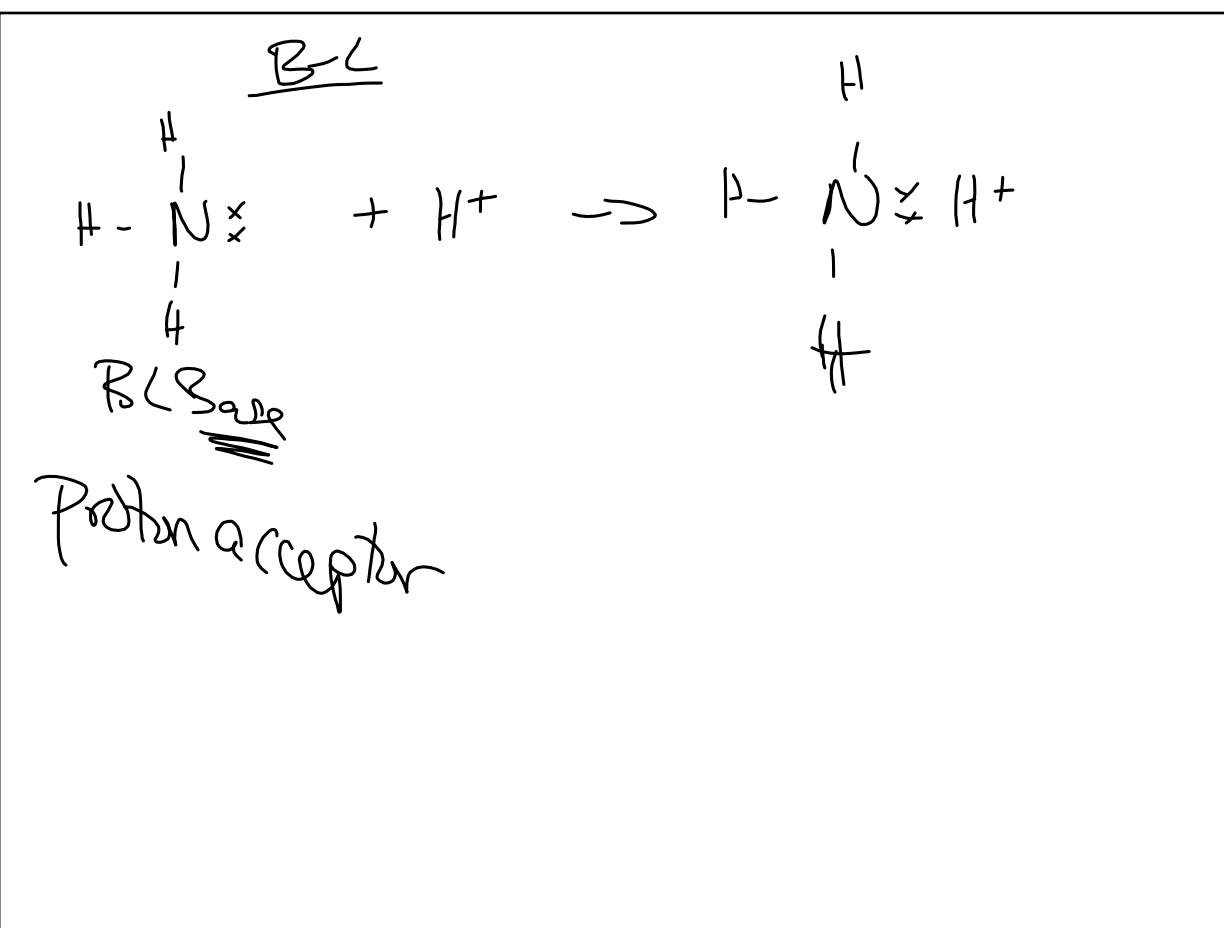
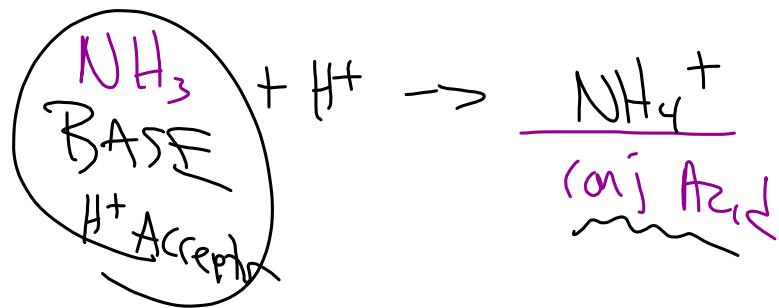


Feb 27-7:39 AM



Feb 27-7:55 AM

③ Conj acid of NH_3



Feb 27-7:58 AM

⑥

$$\text{pH} = -\log[\text{H}^+]$$

$$\text{S.II} = -\log(\text{H}^+)$$

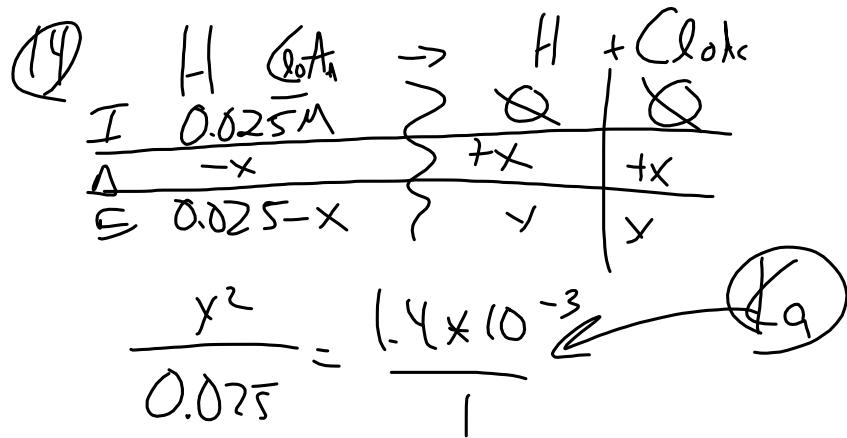
$$-\text{S.II} = \log(\text{H}^+)$$

$$10^{-\text{S.II}} = 10^{\log(\text{H}^+)}$$

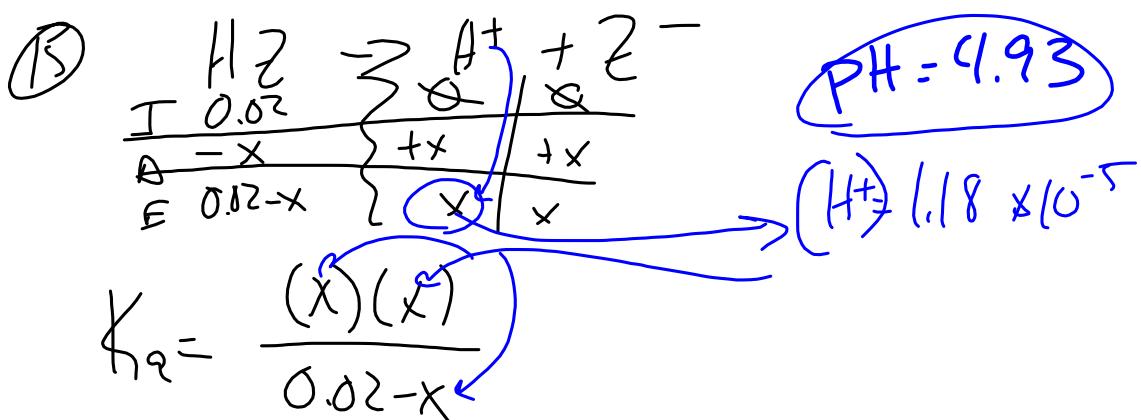
$$= \text{H}^+$$



Feb 27-8:01 AM



Feb 27-8:08 AM



Feb 27-8:10 AM

(20) (i) $pH = 3$ $pOH = 11$ $[OH^-] = 1 \times 10^{-11}$

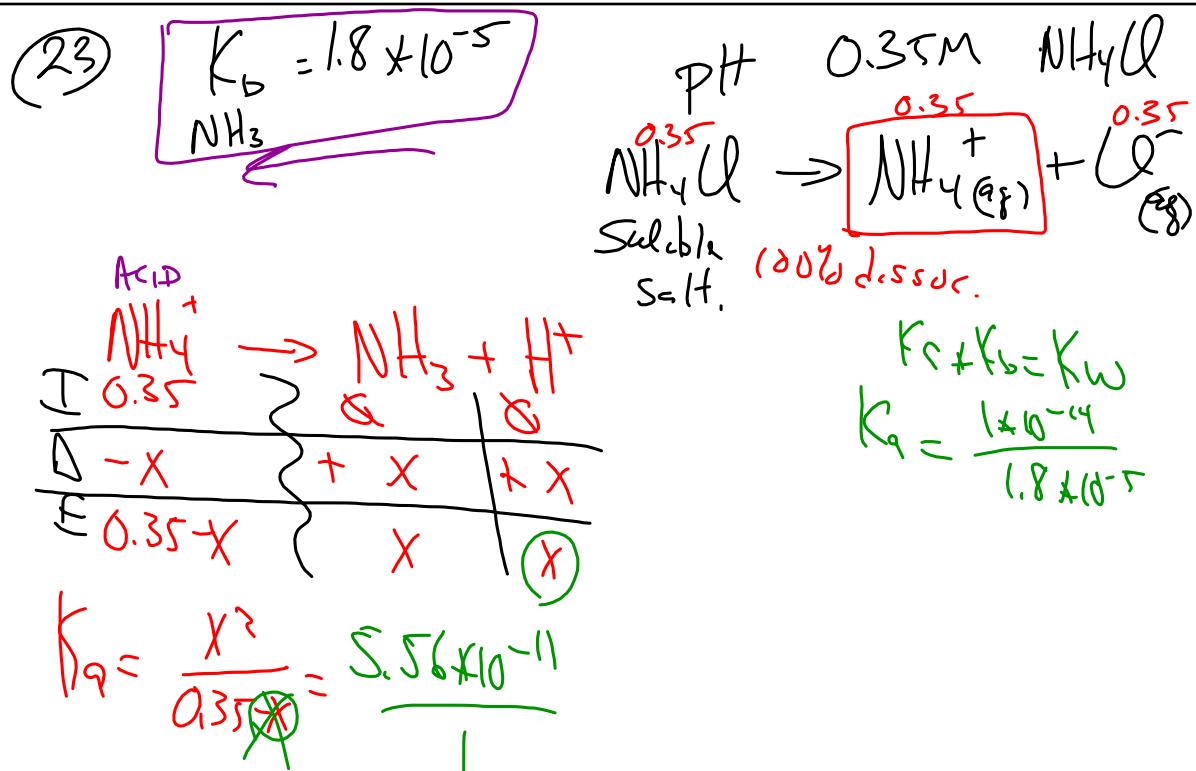
(ii) $[H^+] = 1 \times 10^{-3}$ $[OH^-] = 1 \times 10^{-14}$

(iii) $pOH = 12$ $[OH^-] = 1 \times 10^{-12}$

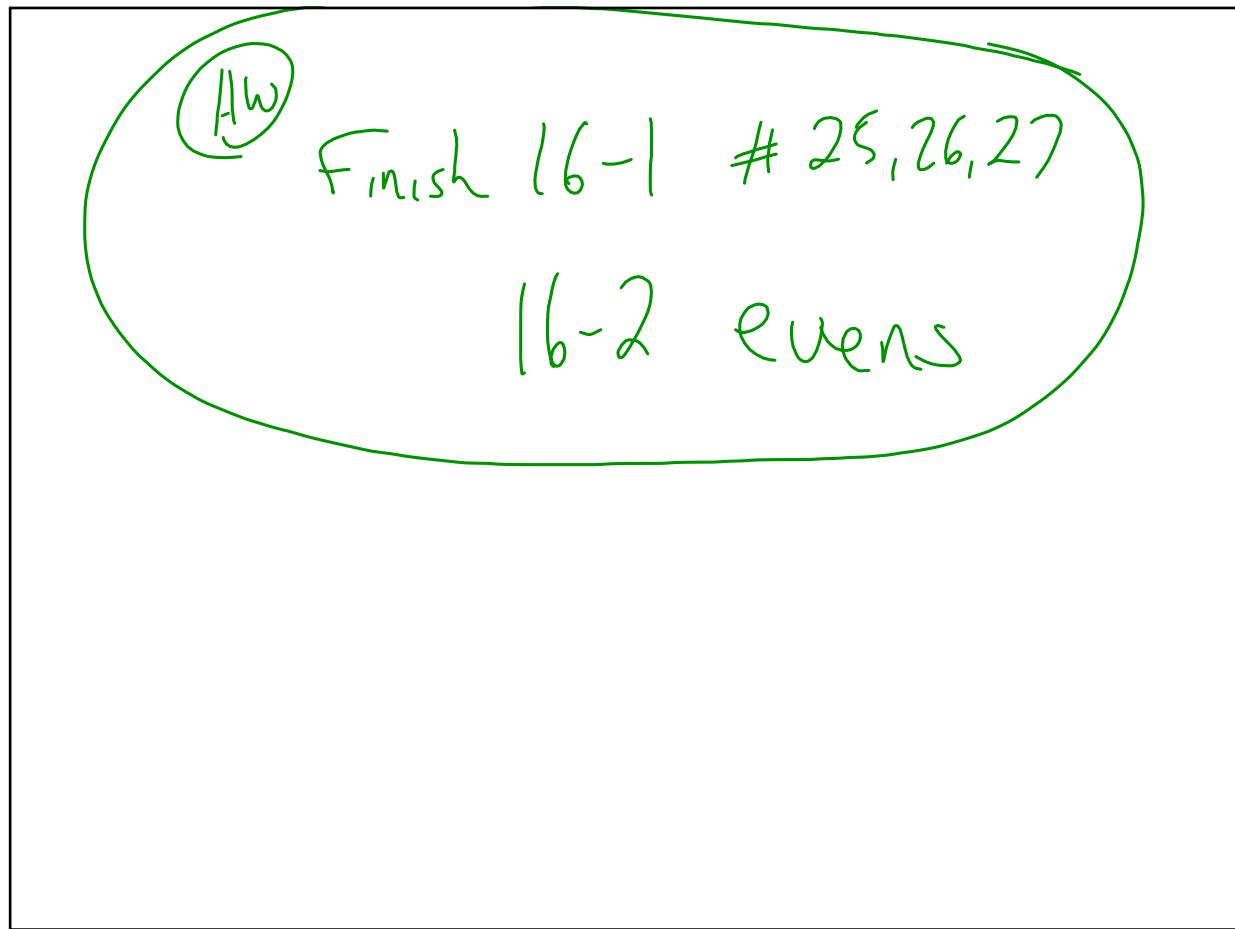
(iv) Weak Acid $[OH^-] = 1 \times 10^{-7}$

(v) $[H^+] = 1 \times 10^{-9}$ $[OH^-] = 1 \times 10^{-5}$

Feb 27-8:14 AM



Feb 27-8:18 AM



Feb 27-8:24 AM