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1. 2.3
2. 0.70
3. 11.30
4. 13.54

### Homework

**BASIC**

#### Additional Practice

1. Calculate pH if  $[\text{H}_3\text{O}^+] = 3.5 \times 10^{-4} \text{ M}$ . **Ans. 3.5**
2. What is the pH of a 3.0 M solution of a strong acid? **Ans. -0.48**
3. Calculate pH if  $[\text{OH}^-]$  is  $5.0 \times 10^{-5} \text{ M}$ . **Ans. 9.7**
4. What is the pH of a solution of the strong acid HCl that contains 0.15 moles per liter? **Ans. 0.82**

**LS Logical**