

$$\textcircled{c} \quad 12 \text{ ml} \quad 12 - 10 = 2 \text{ ml}$$

$$1 \text{ M} \times \frac{2 \text{ ml}}{12 \text{ ml}} = .0178 = [\text{H}^+]$$

$$\text{pH} = -\log .0178$$

$$\text{pH} = 1.75$$