

It is possible to find concentration of acid from pH value.

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

$$[\text{H}^+] = 10^{-\text{pH}}$$

$$[\text{H}^+] = 10^{-3} = 0.001 \text{ M}$$

After dilution concentration is $0.001/100 = 10^{-5}$

The new pH is :

$$[\text{H}^+] = 10^{-5} = 10^{-\text{pH}}$$

$$\text{pH} = 5$$