Find the pH and the degree of ionization for an 0.10 M solution of formic acid: $|+| C + |O_2|$



[4(402]









0,10 - X



Degree of ionization? DEGREE OF IONIZATION is the fraction of a weak electrolyte (acid or base) that dissociates in water.

$$\frac{[(HO_2^{-}]]}{[H(HO_2)]} = \frac{[(HO_2^{-}]]}{[H(HO_2)]} = \frac{[(HO_2^{-}]]}{[(H(HO_2)]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-}]]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-}]]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(H(HO_2^{-})]]} = \frac{[(HO_2^{-}]]}{[(HO_2^{-})]} = \frac{[(HO_2^{-}]}{[(HO_2^{-})]} = \frac{[(HO_2^{-}]}{[(HO_2^{-})]} = \frac{[(HO_2^{-}]}{[(HO_2^{-})]}$$

Sometimes, we express degree of ionization as a percent ... PERCENT IONIZATION

... so about 96% of this acid exists in solution as undissociated formic acid molecules. An aqueous solution of 0.25 M trimethylamine has a pH of 11.63. What's the value of Kb?



