

Ex 36A - pK_a/reactant vs product

Question One

a) Give the structure of the conjugate base and estimate the pK_a of each of the following using your pK_a table:

i) NH₂⁻ 38 ii) HO⁻ 15.7 iii) NCCH₂⁻ 25

b) Give the structure of the conjugate base and estimate the pK_a of each of the following:

i) (CH₃CH₂)₂N⁻ 38 ii) CH₃CH₂CH₂CH₂O⁻ 16 iii) CH₃NH₂ 9

Question Two

For each of the following molecules, identify the most acidic proton and estimate its pK_a.

