

Ex 36 - 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) NH₃ ii) H₂O iii) H₃C-CN

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

- i) (CH₃CH₂)₂NH ii) CH₃CH₂CH₂CH₂OH iii) CH₃NH₃⁺

Question Two

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

