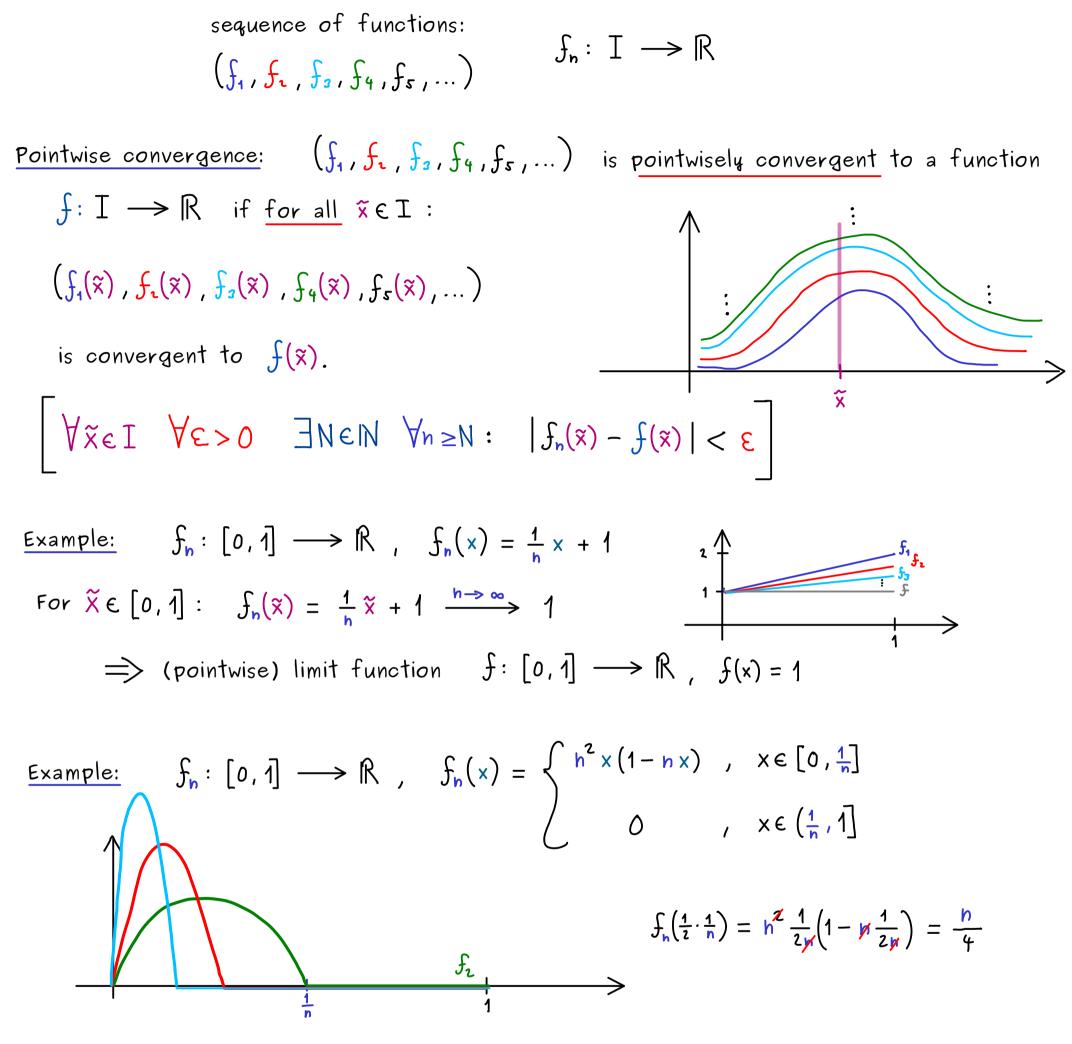
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The Bright Side of Mathematics - https://tbsom.de/s/ra

## Real Analysis - Part 24



For 
$$x = 0$$
:  $f_n(x) = 0$  for all  $n \in \mathbb{N}$   
For  $x > 0$ :  $f_n(x) = 0$  for all  $n > \frac{1}{x}$   $\implies$  (pointwise) limit function  
 $f: [0, 1] \longrightarrow \mathbb{R}$ ,  $f(x) = 0$ 

