

I. Rationalizing Technique: Rationalize the numerator by multiplying the numerator  
and denominator by the conjugate of the numerator.  
Ex 3) 
$$\lim_{x \to 0} (\sqrt{x+1} - \sqrt{x+1} + 1) = 0$$
  
 $= \frac{x+1-1}{x(\sqrt{x+1}+1)}$   
 $= \lim_{x \to 0} \sqrt{x+1+1}$   
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