





Lecture 2	Lecture 22 CH102 A2 (MWF 11:15 am) Spring 2019				Copyright © 2019 Dan Dill dan@bu.edu	
Strong acid titration: "not enough" base						
Add 0.006 mol of OH ⁻ to 1.0 L of 0.01 M HA, $K_a = 1.0 \times 10^{+5}$, at 25 °C, assuming no volume change.						
Step 1 results in 0.004 mol HA and 0.006 mol A^- .						
Step 2						
					Q	
	Initial	0.004/V	1×10^{-7}	0.006/V	$\ll K_{\rm a}$	
	Change	$\approx -0.004/V$	$\approx +0.004/V$	$\approx +0.004/V$		
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