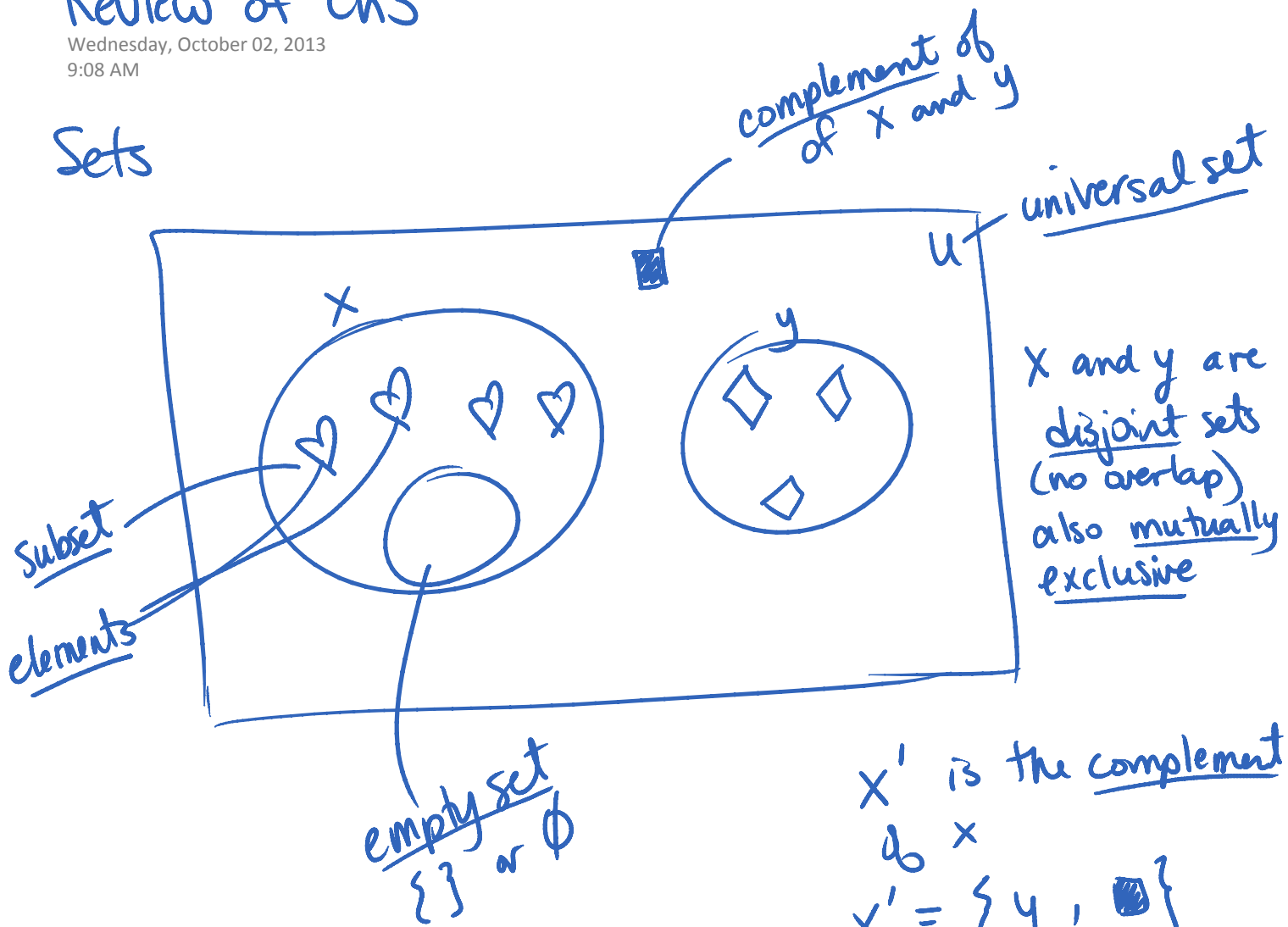


# Review of Ch3

Wednesday, October 02, 2013  
9:08 AM

## Sets



$X'$  is the complement  
 $\phi \times$   
 $X' = \{ Y, \blacksquare \}$   
= everything that is not part of  $X$

$$n(X) = \# \text{ of elements in } X \\ = 4$$

finite sets - countable # of elements  
infinite sets - not countable

## Logic

conditional - original: if ... then ...

0

Conditional - original: if ... then ...

┌  
├ T  
├ converse - flip hypothesis and conclusion  
├ Inverse - adding "nots" to conditional  
├ Contrapositive - adding "nots" to the converse  
└

biconditional - "...if and only if..."

- only if both conditional and converse are true

Practice pg 220 # 1-4, 6, 8 pg 192 # 6