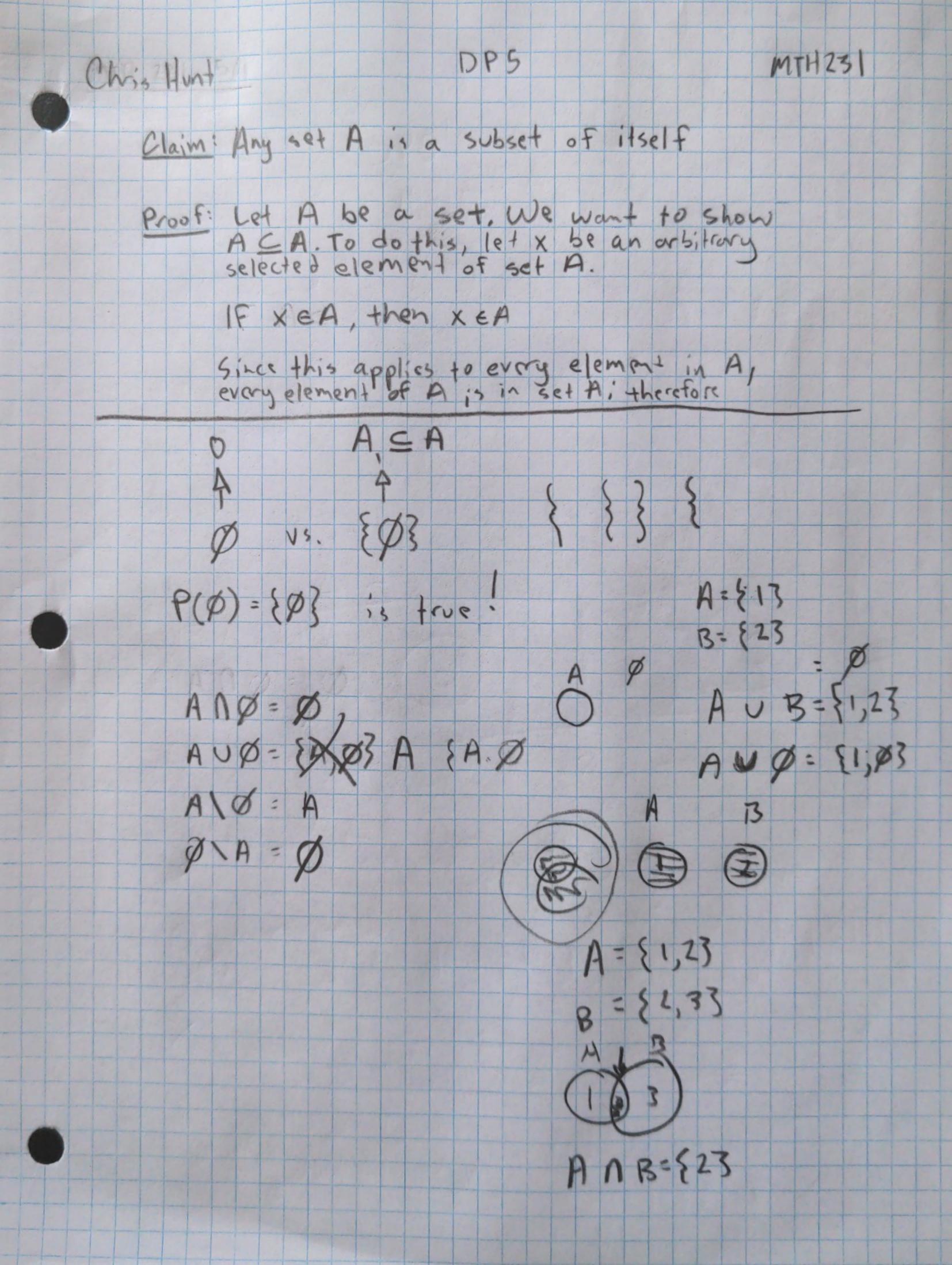
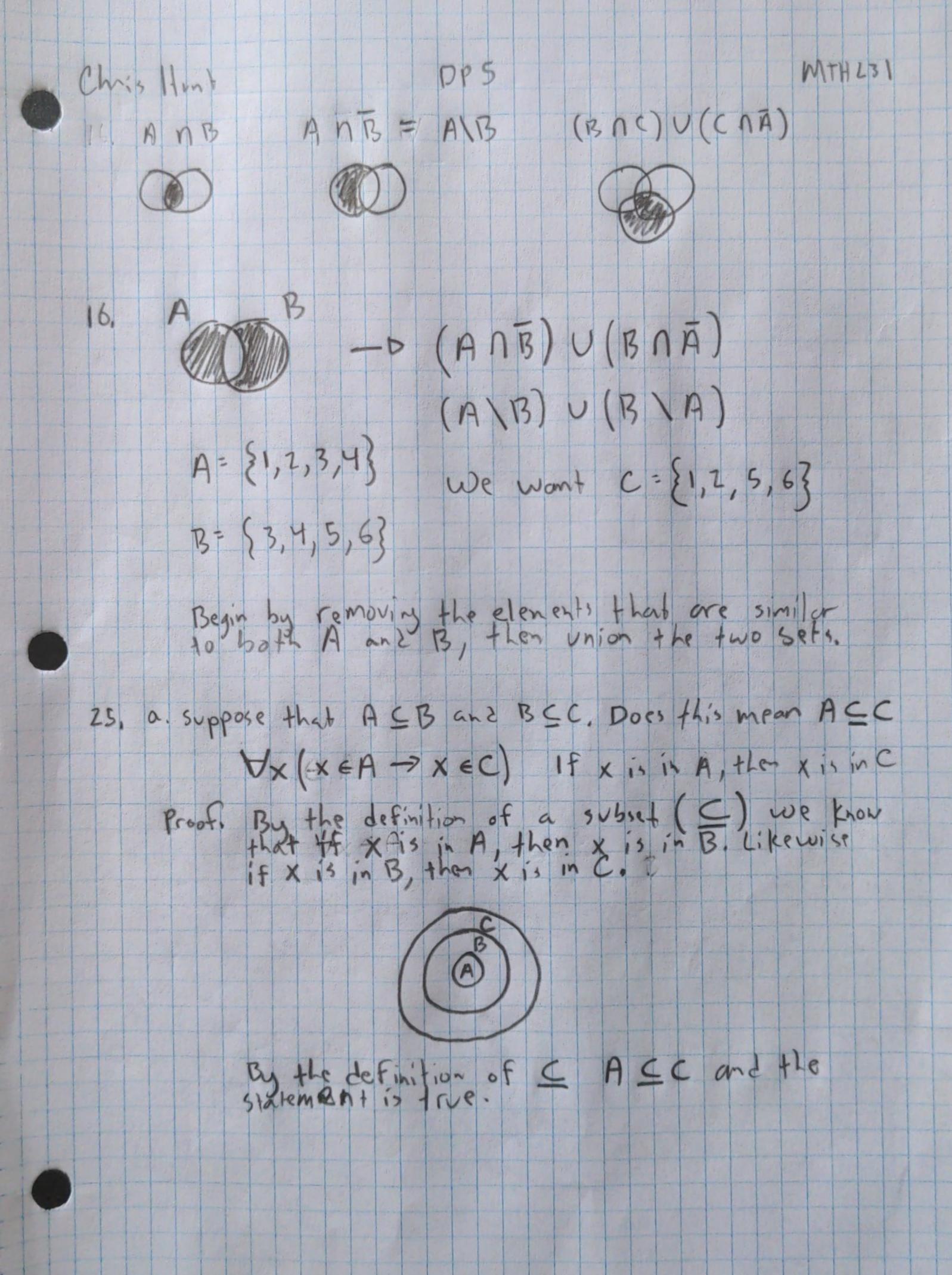
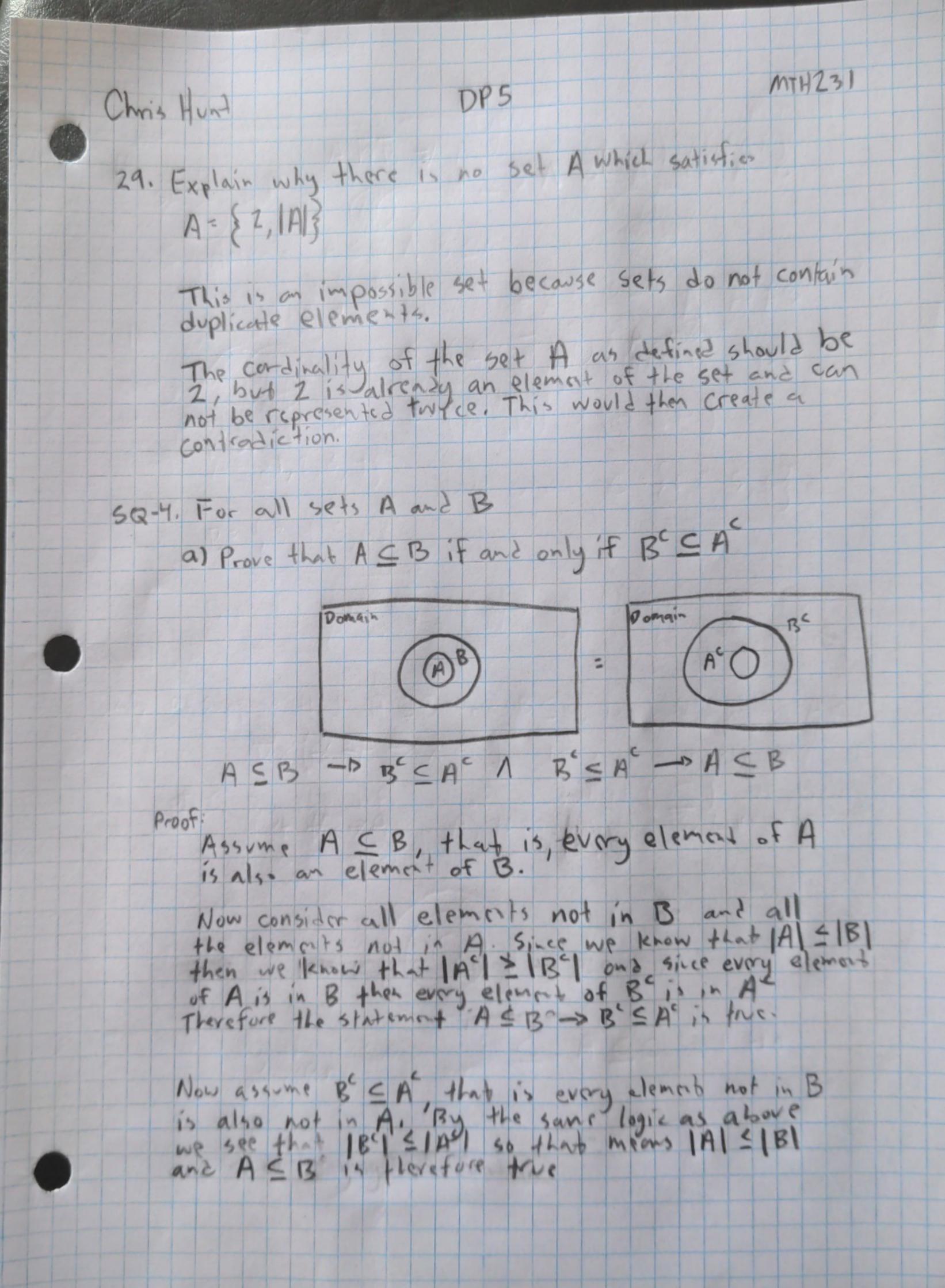
- Chris Hund MTHZ31 Set: a collection of things ("elements") Two sets are "equal" when they contain exactly the {} when listing set elements N: {0,1,2,3,...} 5 EN {5} is not the same as 5. subset: IF every element of set A is also an element of set B is called a subset of set B Notation: A CB "subset" underline in equal to IF A & B A is a proper subset U = universal set "everythizy"







Chris Hunt MTH 231 SQ-4. b. Prove that IF A SB A BSA, then A=B Suppose not, that is ASBABSA A A &B By the definition of subsets we see that For every x is A, X is in B and for every x in B, xi is in A. That is there is no value x that is in A but not B and vice versa, so A must equal B. This is a contradiction. Therefore the ortginal statements must be tree