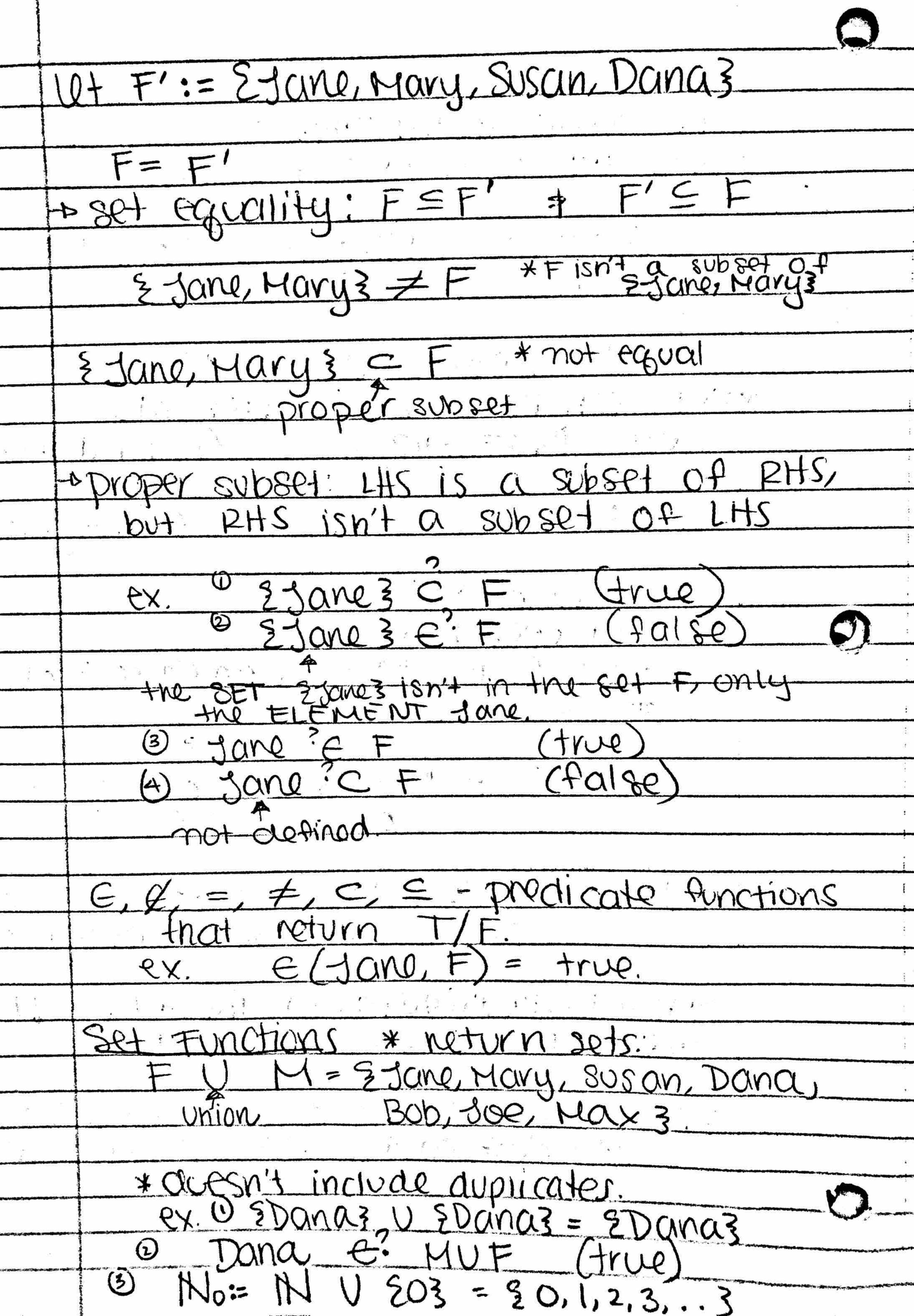
MOOVU fundamental units of math are "sets" sets are unsurted & unique. = := SJane, Mary, Susan, Dana? \*\*E "apfines" denotes the set "PHS" M:= & Dana, Bob, Joe, Max3 +18845 can have infinite elements N:= \$1,2,3,...3 (natural #5) 7:= 2...,-2,-1,0;1,2,...3 (integers) Operators on 8ets -delement operators "Jano is an elament of tane s\$+ +no set F" 410mons "Joe is not an element of the set F" 5-Jane, Mary3 = F "the set & Jane, Mary3 subset is a subset of set +" Subset: all elements of the set on one on the PHS. F"there exists at least one



3, null 8-2+ both nave a elements. A = even #5 \$ B = 0dd #s. = (true) \* all sets contain empty 498 Ø E F (false) \* in this case, Ø not added as an element of F.