** prove that m=n- if and only if m=n or m=-n where m and n are real number.

first prove If m=n then m=n or m=-n

Hypothesis: m=n-

conclution: m=n or m=-n

Let m=n-

=> m~-n~=0

=> (m+n) (m-n) =0

SO, m+n=0 Or m-n=0

- m = -n or m = n

Again: If m=n or m=-n then m'=nHypothesis: m=n or m=-nconclusion: m=n

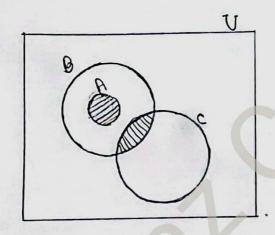
Let m = n or m = -n[squaring both sides] $\Rightarrow m = n - n$ $\Rightarrow m = n - n$

Therefore, m=n if and only if m=n or m=-n

(proved)

** Given that A = B and A and C are disjoint, show the following sets in a Verm diagram.

O (BOC)UA



3 A/n(Bug)

