Problem 2:

A-B= AnB

To prove A-B is regular we have to look at three points

Due know that regular languages are closed under

Dregular languages are closed under complementation $\overline{A} = E^* - A$

Step 1) construct D.F.A For-A

Step 2) Apply complementation algorithm. N.F.A (or) D.F.A
.: It is regular

3) regular languages are closed under intersection ANB = (ĀUB)
regular language

AUB-Regulai language

FUB)-Regular language

A-B=AnB

Bis Regular: Regulars are closed under complementation.
An Bis Regular: Regulars are closed under intersection
: H-Bis also regular