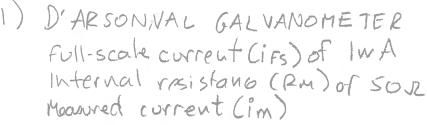
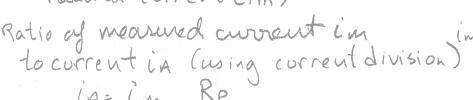
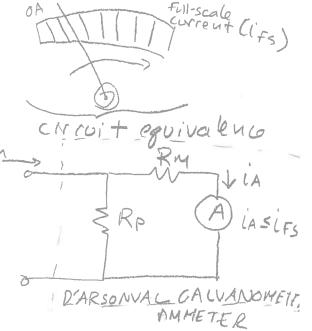
## PS # 4 PRACTICAL AMMETER PROBLEM







a) We want to measure up to ImA. Since the full-scale is Im A, we can measure the current directly without Rp.

An open circuit is the same as Rp-oo im=(A(1+ Rm))

[Re=00]

c) We want to measure up to 100.0WA (in = 100 mA) At that in, we will reach full-scale > in= iFS= ImA

Note that as more current need to Rp=0.50552

be masured. Rp gits smaller to Rp=0.50552

