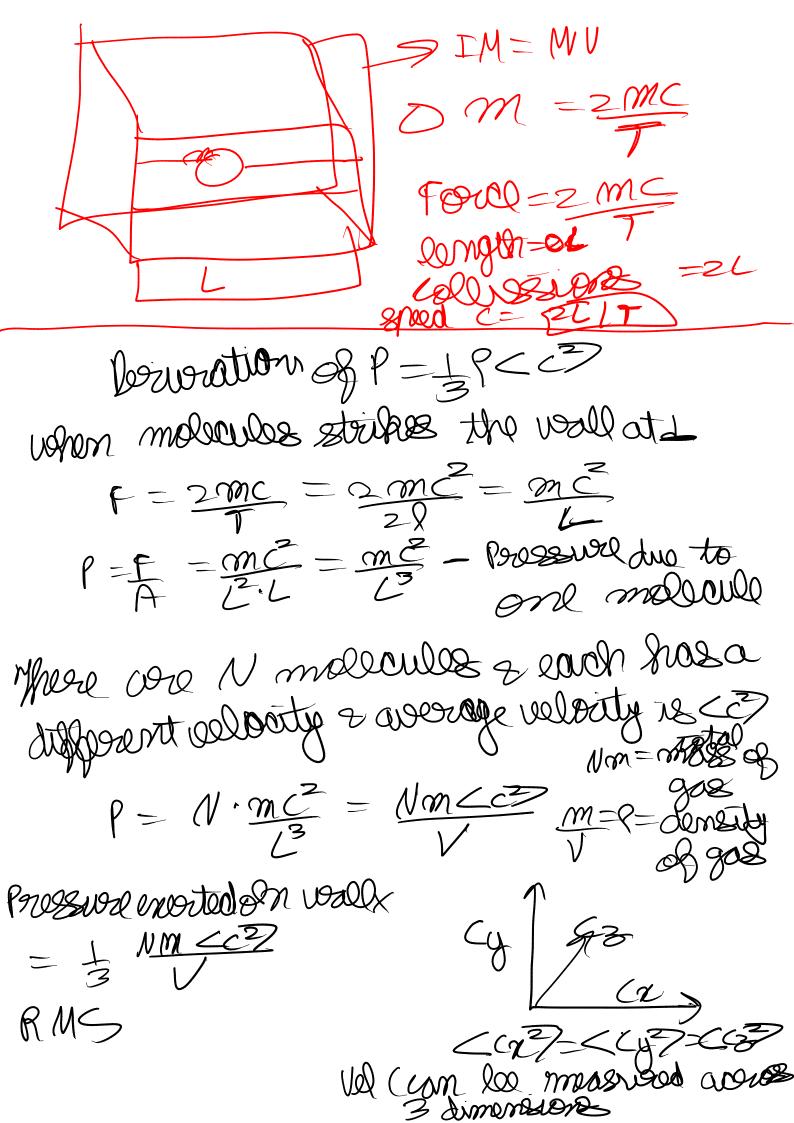
15-2deal bross mo of atoms or molecules of that substance or more agual to the mo-of atoms in 12908 (12. n=no-of molecules Na=Avagandro constant=6023×103 (Nmolaules) 14 N-> 149 of N=1 mol when PV = sonstant, use house an ideal P= Prossuro in la V= Volume in m3 7 = tomp in Kelvin PV = m- R.T 78-317 mol7 Lyng-Smols PV=NKT k = Bottschmen N

PU=NKT K-R Va P-V=N.A.T $n = \frac{N}{V\alpha}$ pt=n.R.T Assumptions of Kinetic Theory of gases I Agas contains large no of moderale or atoms which moved transom spiess Dolliesian blue the molecules & blue the molecules & the walls of a container and 3) The forces blue the molecules ascornegligilab. 4) The solume of the molecular is along small or negligible compared to the vol 3) The times collission let we molecules or let we molecules of the wall is using small compared to the time let we collissions 115:37



To find ked one mobile PV= = NMCC= = MRT = MRT $\frac{1}{2}mCC^{2} = \frac{3nRT}{2N} \frac{N=Na}{n} \frac{N=N}{Na}$ = 3 RT At = 3 RT 2 AV Na = 2 Na = 3 KT PV = 1 N m (27 N-mo of mobile P= \frac{1}{3} \frac{Nm}{V} = \frac{2}{5} M-mass Nim=totel muss P= = P CC7