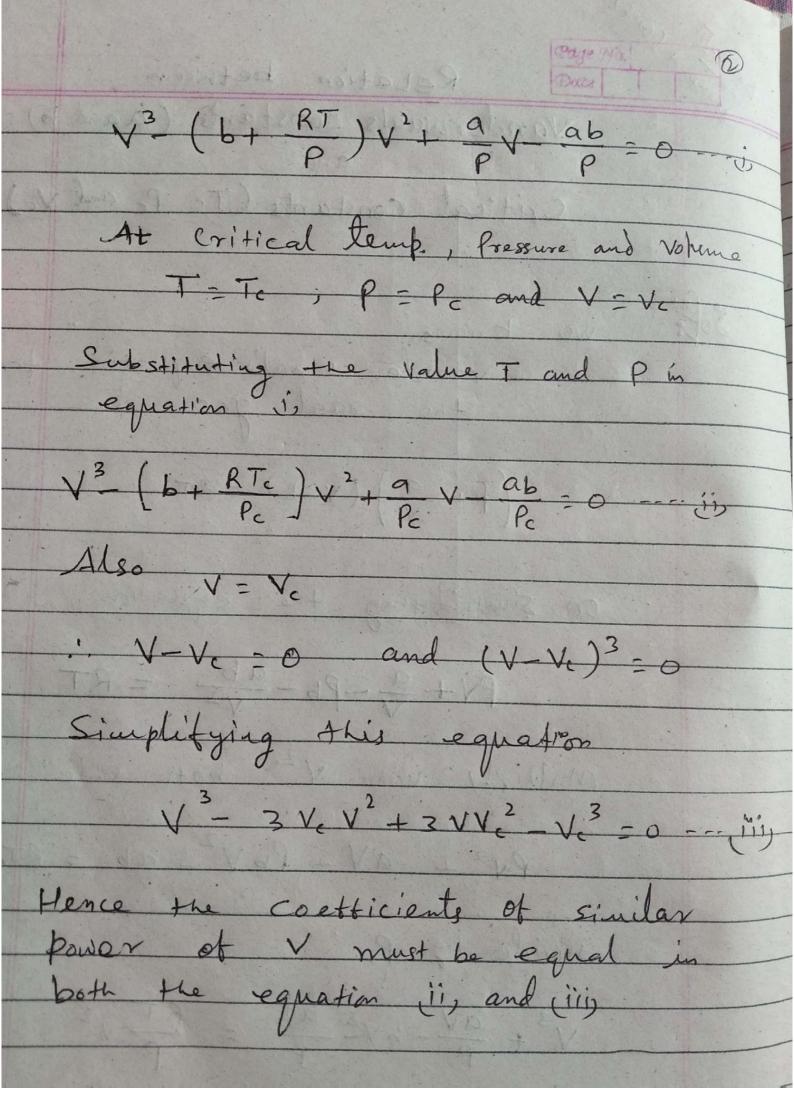
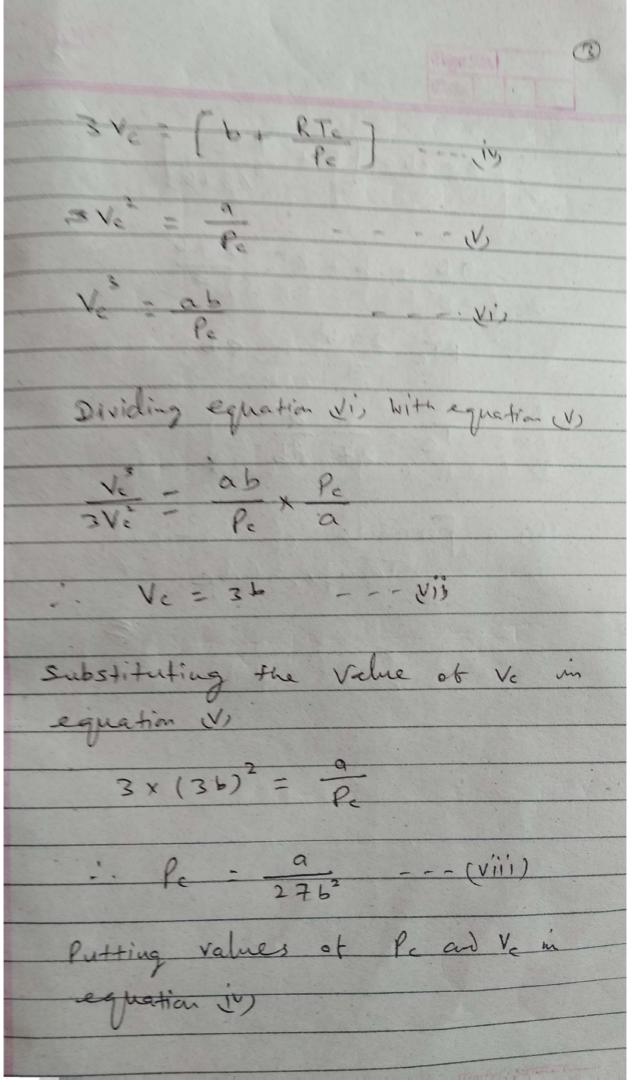
B. South W. Chris Relation between
Vanderwaals Constants (a and b)
and
Critical Constants (Tc. Pc cond Vc) we knows, vander waal's equation for the road gas is Sol: (P+ 9) (V-b) = RT on simplifying the equation PV+ 9-Pb- ab = RT Multiply with 12 both Side Py2 + aV - PbV2 - ab = RTY2 Divide by P, V3 + aV - bV2 ab = RT V2 V3-bV2-RTV2+aV ab = 0





3 × 3b = b + RTc