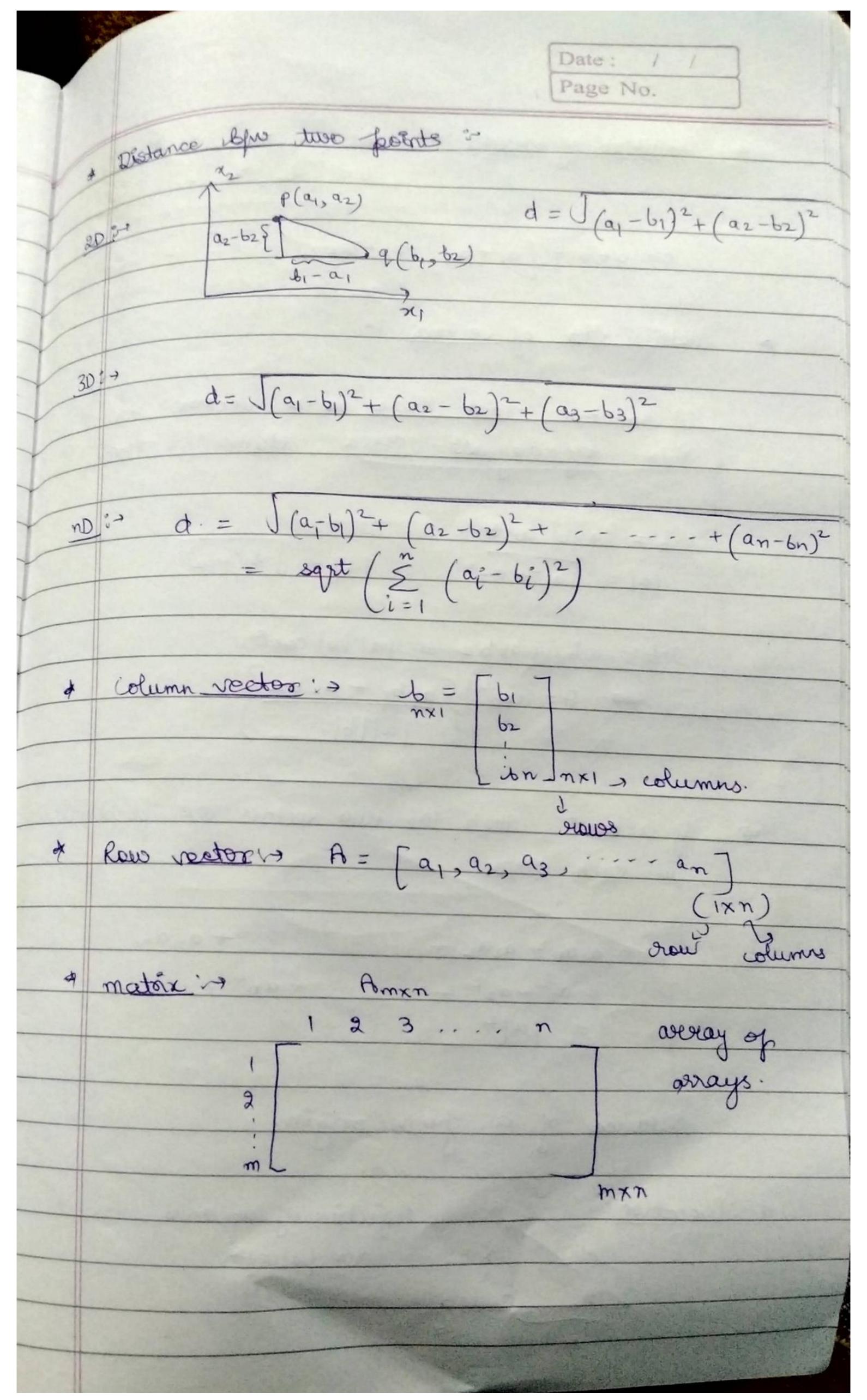


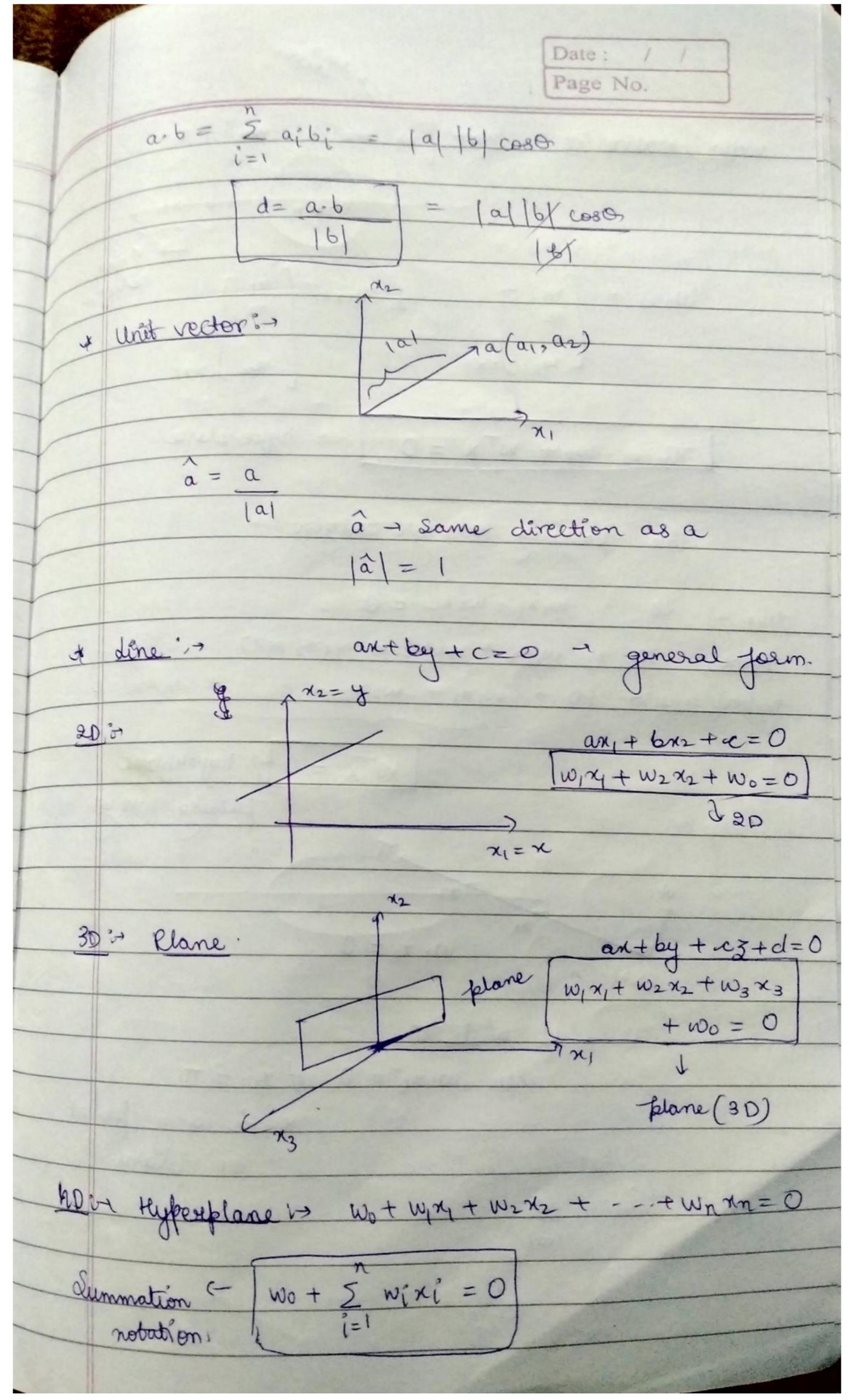
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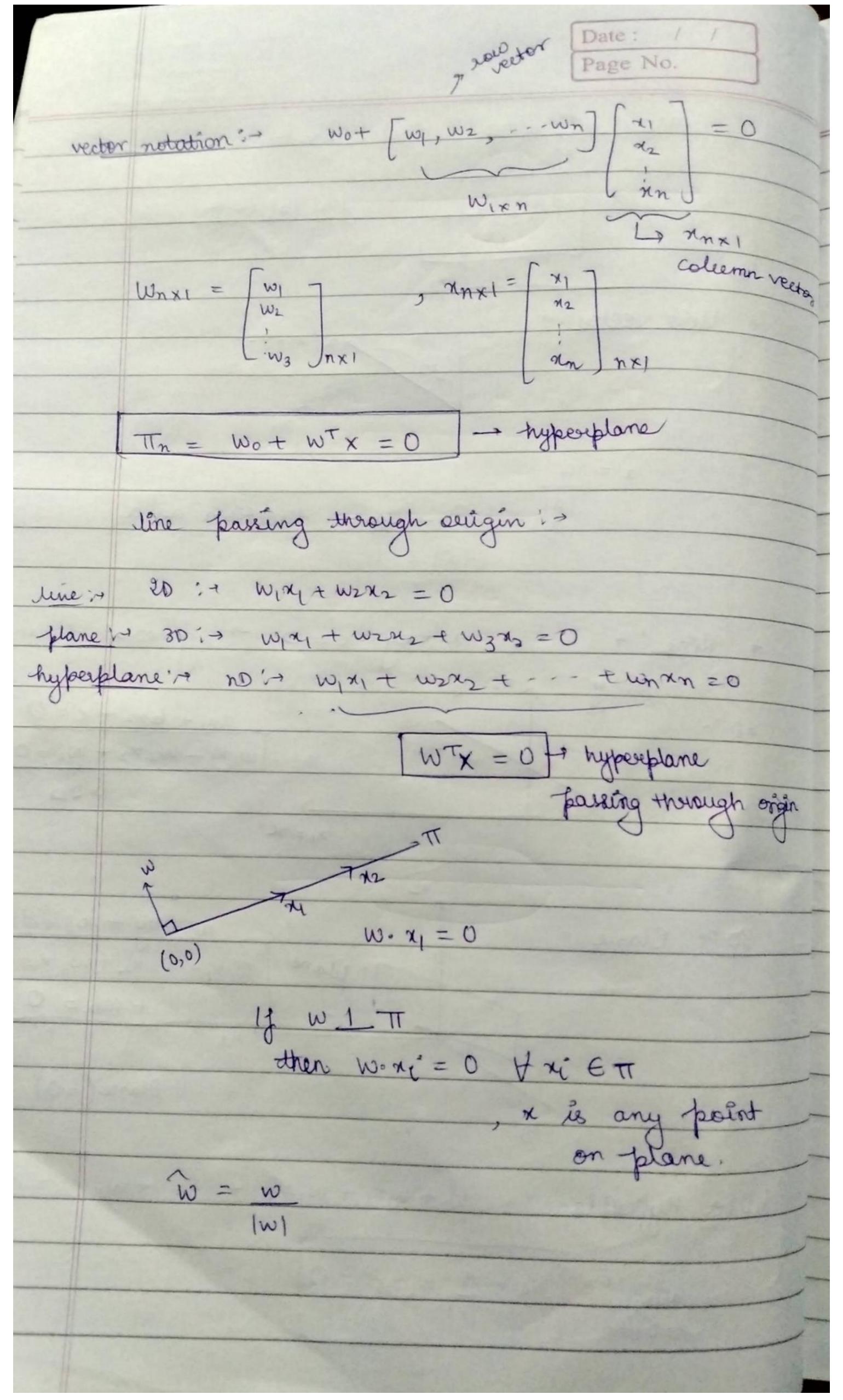
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Page No. * Addition of vectors is a = [a, az, --- an] b= [-b, -b2, --- bn] c= a+b = [a,+b1, a2+b2, Multiplication of vectors 30 If someone said there is a vector an then by default its a whem vector a.b= |a||6| coso |a| = Ja,2+a22, |b| = Jb12+b22 a.b = a,b, + a2b2 = |a| |b| cos 0 => 0= cos-15a,b, + a2b2} 121/61 if a b = 0, then the two vectors are perpendicular to each other a.a = a, a, + a2a2 + - - --- + anan = a12+ a22 + --- + an2 = |a|2 distance of a from origin. brojection 3+ Projection of a onb } d = |a|0000

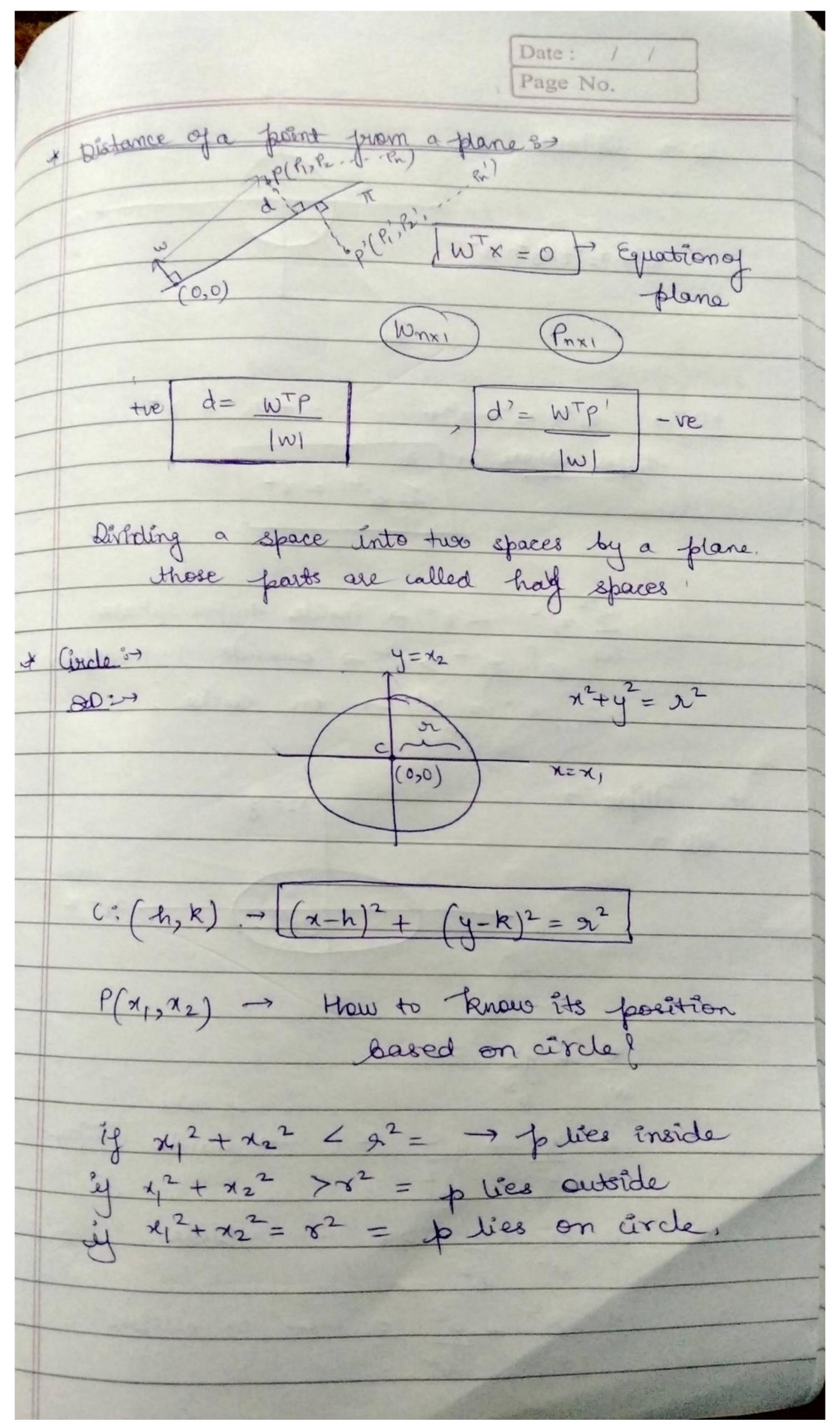
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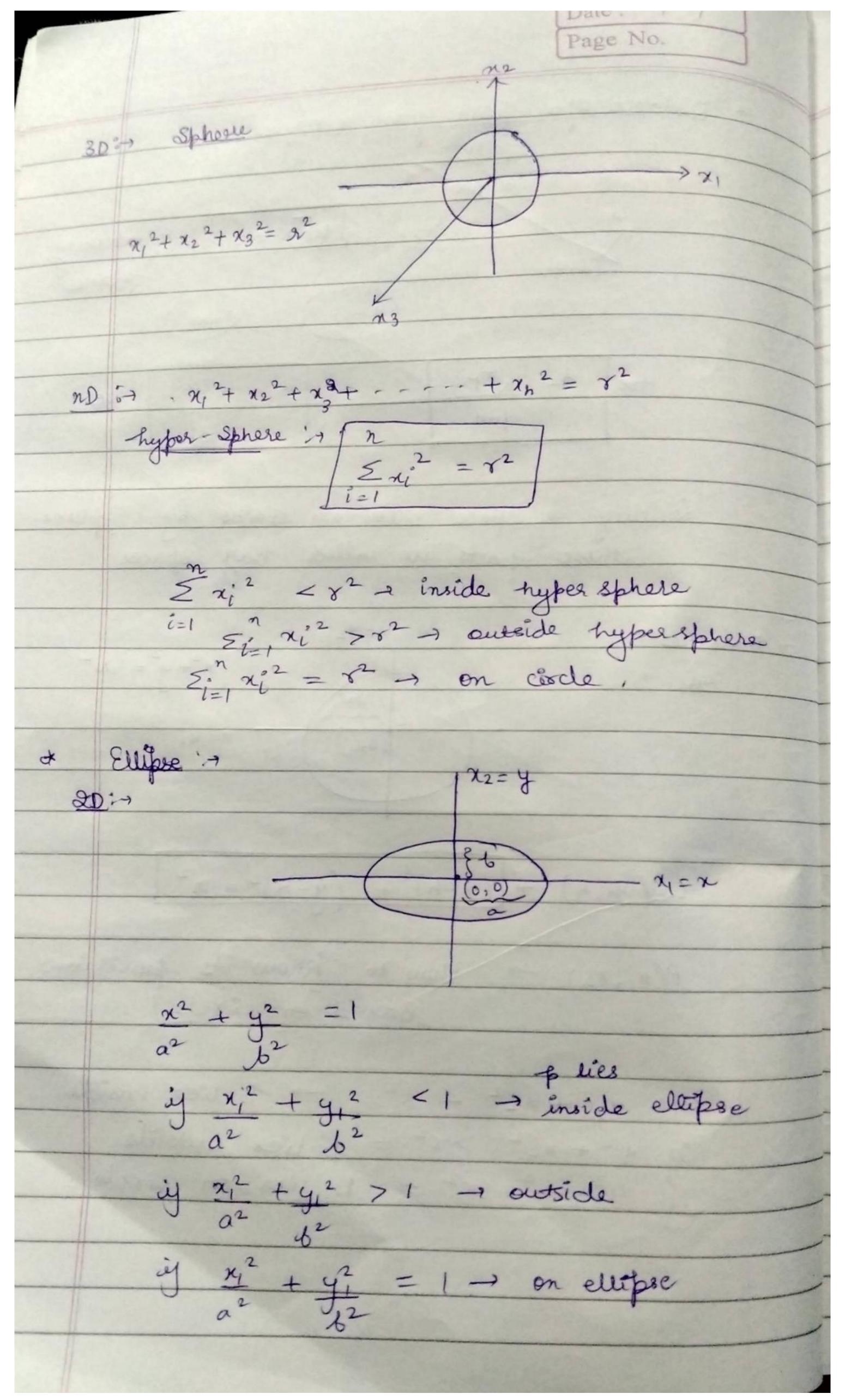
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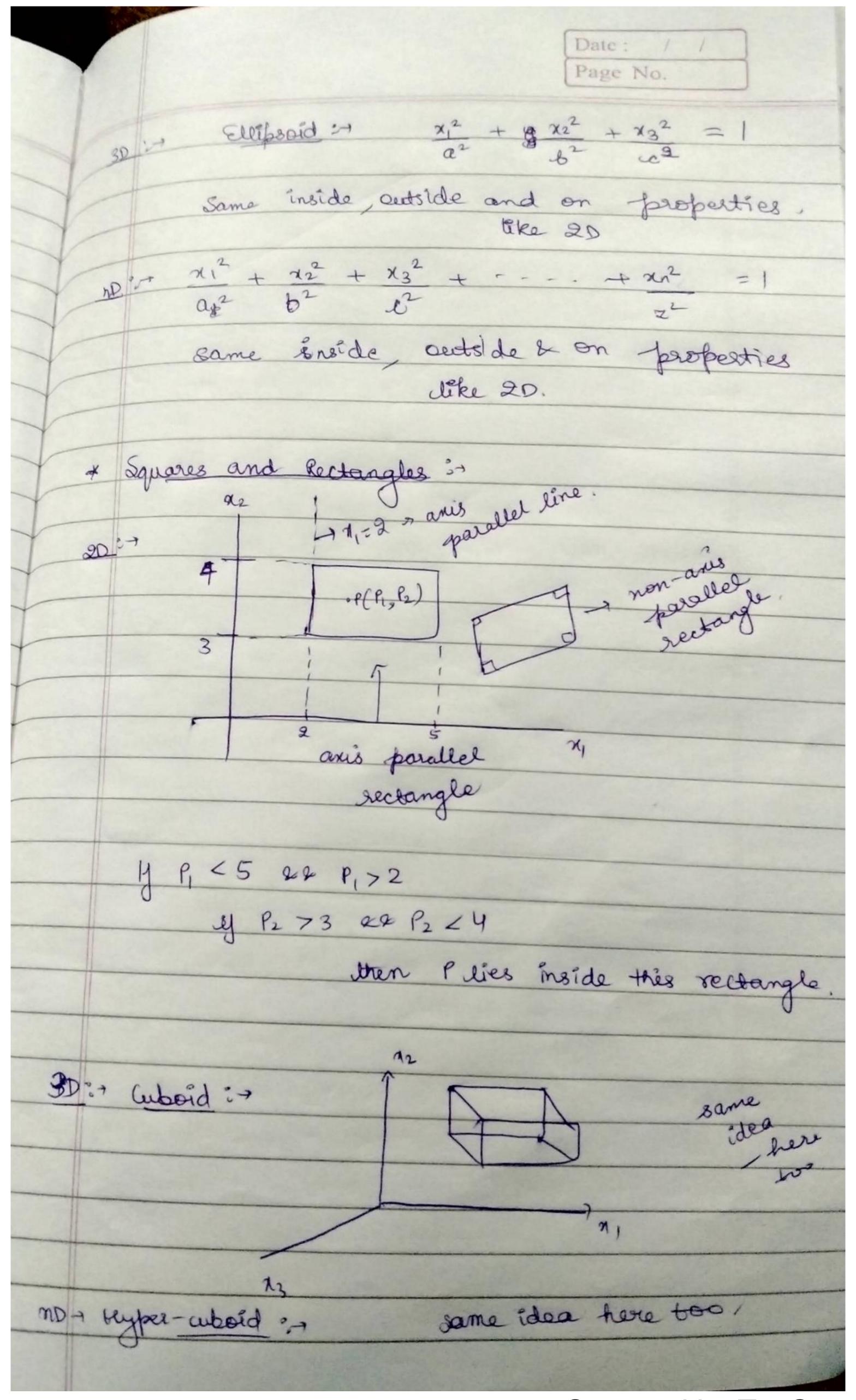
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