





Nullsp! Dimension of null ospace = 2 Dimension of vector space Date. Dy 96 v is a vector space. then dimension of v is defined by dem (m) = t.

96 V has no finite bases, then V has cinfinite démension. dim (703) =0 dim (Pn) = n+1 - (Pn: - Polynomial of degree n) dim (Rn)=n dim (M mn) = mn ->? do What is the démension of the vector space of polynomial in a with real coefficients having degree at most 3.) ax3+ bx2+ cx+d = p(x) n=3 - (Degree) Lim (P) = 3+1 = 4 £ ~3, 22, 2, 13 as a basis. & Find the dimension of the formspace of the following homogenous system 2 1 0 3 R 53 8 1 -1 2 1 M 20

