

Ti,, The be nonzero mutually orthogonal vectors. in R.
then ti,, the are linearly independent
(basis) for the substrace S of PM to be a set
of vedors that Joans S and is.

linearly independent.

Suppose V. ..., Vr. span a subspace S of Rⁿ.

Let G..., Get be a basis for S.

linearly independent. Hen. Lets

number of vectors in a basis) for a.

subspace S of Rⁿ is called the

dimension of S. Earnel 16)

subspace of R³ has dimension 2.

basis is consists of.
mutually orthogonal vector — basis is an orthogonal basis

and. unit -> orthonormal.

