11/3/2023
- square
Jecto 2007
Dog.
pendont
base. for 123

1. is a base for 1R3
piviot in every row + square

2. not a base, zero vecto maltes them dependent

S. row reduces to:

3

7

1

17

7

17

$$\begin{array}{c|c}
100 & -36 \\
010 & -16 \\
001 & 36
\end{array}$$

$$\begin{array}{c|c}
50 = base & 5
\end{array}$$

$$3. \dot{x} = \begin{pmatrix} -6 \\ -52 \\ xy \end{pmatrix} \times 3 + \begin{pmatrix} -57 \\ -32 \\ xy \end{pmatrix} \times 4$$

$$NulA = 2 - 32 - 36$$

$$(5-2)$$

70 XVI+BUZ=0 15 a

False Ex- 10 THMS b- True The news of a pasis 29. M=nxm:m<n M can have at most m pivot colums. HM 4 => if m pivot colums and nows TO and p780 then ME pivot in every column then M= span Rn = dependent be cause not square THM & independent because reither equation is a scalar combination of

