classmate Date 10.3. 2020 SIMPLEX METHOD-2 m constrainty +x3 =1 n variables 1+ Ny =3 +ng = 2

min.
$$-\varkappa_1 - \varkappa_2$$

$$-\varkappa_1 + \varkappa_2 < 1$$

$$\varkappa_1 - \varkappa_2 \leq 2$$

N. M2 Yed

-1 1 1 0 0

m constraints

m+n variables.

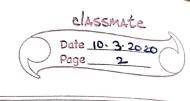
XI

n2

2

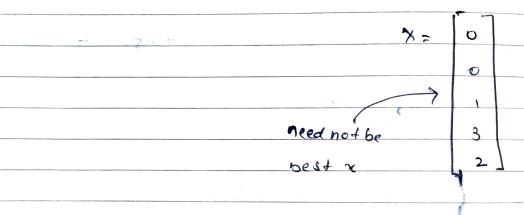
2

x= B 16 B = & set of basic variables?



min - 2, - 72

B= { x3 24 x5}



2 new = 2 + Od

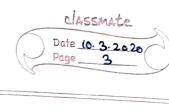
direction vector,

denters $n_3 = 1 + n_1 - n_2$.

Lexits.

ny = 3- 21

75 = 2-72



$$\begin{array}{c|cccc}
A & \boxed{d} & 0 & Ad=0 \\
\hline
0 & 0 & 0
\end{array}$$

$$4x_1 + 2x_2 + 3x_3 + x_5 = 28$$

$$2x_1 + 5x_2 + 5x_3 + x_4 = 30$$

$$128 - 28 - 411 - 2112 - 313$$