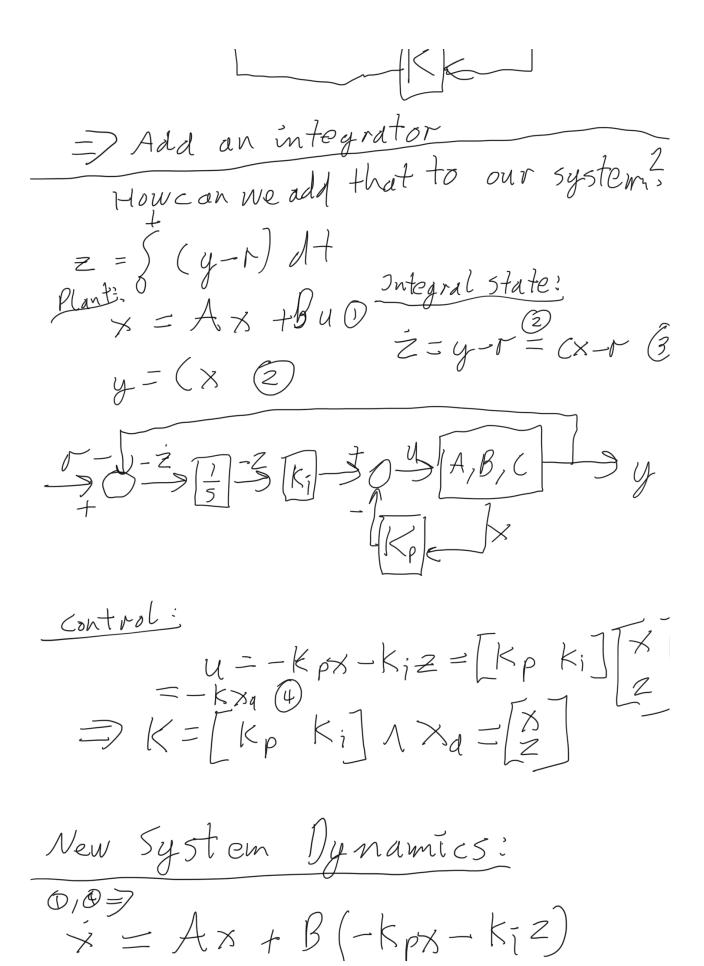
Lecture 4 Handwritten Notes

For 
$$A, B$$
 $X = 0 = Ax - BKx + BV$ 
 $X = 0 = Ax - BKx + BV$ 
 $X = (A - BK)x + BV$ 
 $X = (A - BK)x + BV$ 
 $X = (A - BK)^{-1}BV$ 
 $X = (A$ 



$$= (A - Bkp)X - Bk_i Z$$

$$= \begin{bmatrix} A - Bkp & -Bk_i \\ Z \end{bmatrix} = \begin{bmatrix} A - Bkp & -Bk_i \\ Z \end{bmatrix} \begin{bmatrix} X \\ Z \end{bmatrix}$$
New A
New B
Now can apply Lak
etc...