

EE 360 D

Signals & Systems I
Discussion

August 27, 2021

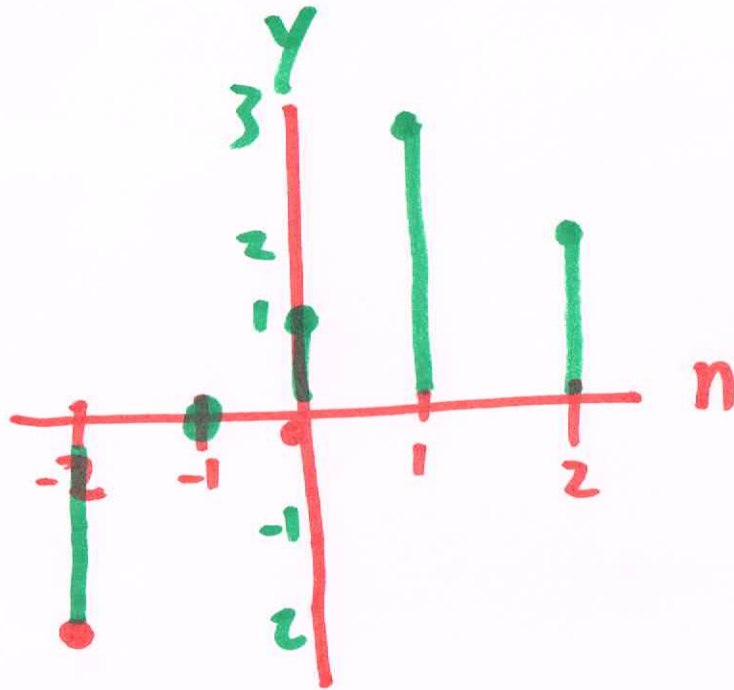
Function: Rule ~~that~~ $x \in X$ a unique element $f(x) \in Y$
to each in

Set: Well-defined collection of Distinct objects or element

1)

For $-2 \leq n \leq 2$

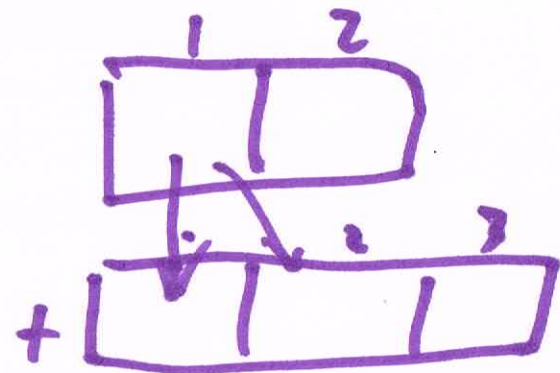
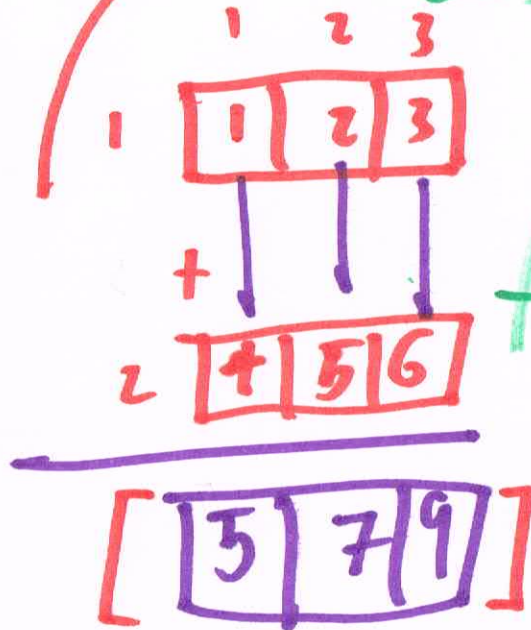
$y = \{-2, 0, 1, 3, 2\}$



Define

matrix $A = [1, 2, 3]$

Matrix
Laboratory



$[4, 10, 18]$

$$A [1, 2, 3] \quad 1 \times 3 \quad \boxed{B.'} = \begin{bmatrix} 4 \\ 5 \\ 6 \end{bmatrix}$$

$$B [4, 5, 6] \quad 1 \times 3 \quad 3 \times 1$$

$A * B = \text{ERROR!!}$

MATRIX

↑
multiplication!

$$A * B(1) =$$

To flip

Use This

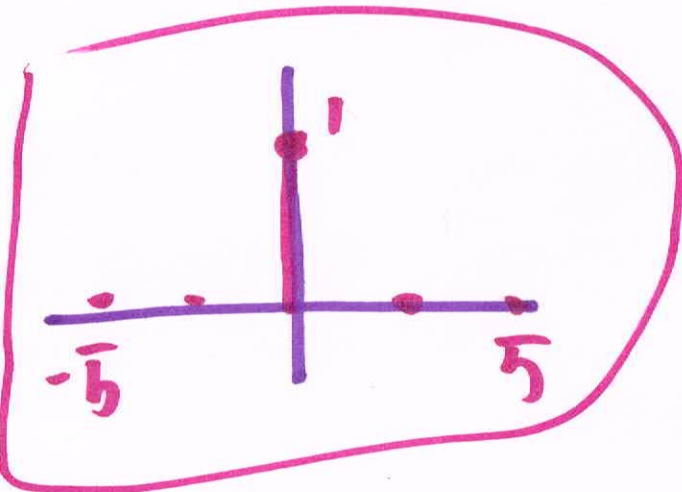
to KEEP INFO!

To Run MatLab, use Ctrl + Enter
* SECTION!

Kronecker-Delta ~~Dirac~~

$$\underline{f(0) = 1}$$

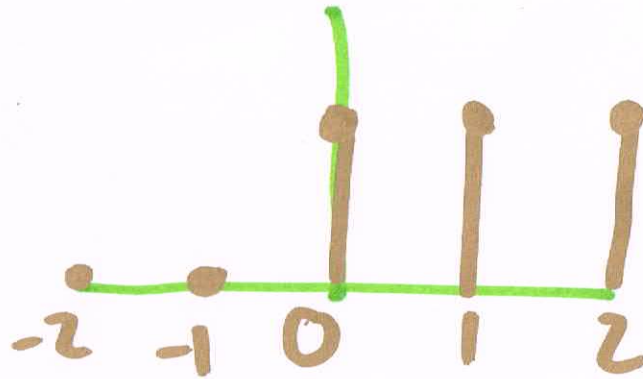
else, 0



Unitstep

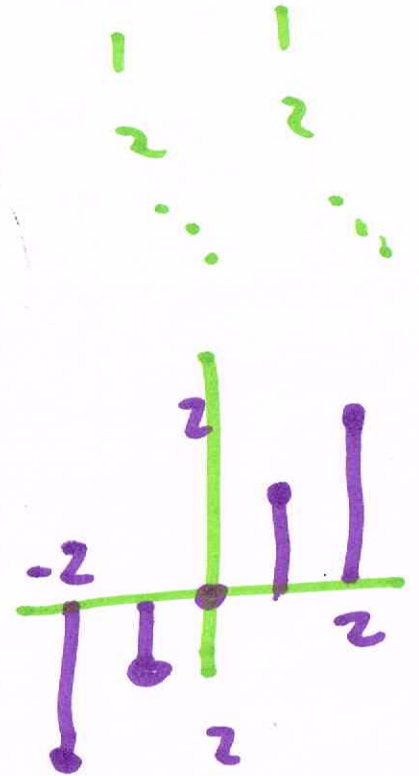
$$U(0) = 1$$
$$n \rightarrow \infty \quad U(n) = 1$$

Else, $U(n) = 0$



Ramp

$$r(n) = n$$
$$r(0) = 0$$



david.santiago@unlv.edu

Subject: EE360D SANTIAGO Q1