Name:UNIT 6	Date: LESSON 6
Do Now:	22330.11
a. Graph $\{x \mid -2 \le x \le 5\}$ on a number line.	b. Graph $\{x \mid x > 3\}$ on a number line.
$\leftarrow \bigcirc$	
-a 5	3
AIM: EXPRESSING SOLUTIONS IN SET BUILDER NOTATION & INTERVAL NOTATION	
 Set: a collection of distinct objects of ROSter: a list of elements in a set 	or elements
1. Write a roster for the set for the following:	
a. whole #'s less than 5	b. integers from -3 to 2 inclusively
{4,3,2,1,0}	£-3,-a,-1,0,1,a}
1 2 3	
 Set Builder Notation - mathematical shorthand for precisely stating all numbers of a specific set that possess a specific property ∑x∈R3 : "x is an element of all real numbers" ∑x: "x such that" Ex: {x 2 ≤ x ≤ 6}: "x such that x is ∑ 2 and x is ∠ 6" 	
2. Write set builder notation for the following.	
a) Real #'s greater than 0	b) Real #'s less than or equal to 5
{x >0}	€ X ≤ 5 3
{0°< x < ∞3 (0,00)	E-04 X 453 (-005)
c) Real #'s from 8 to 20 inclusive	d) Real #'s between 4 to 20
585 X5303	E 44x4003
[8,20]	(4,20)

