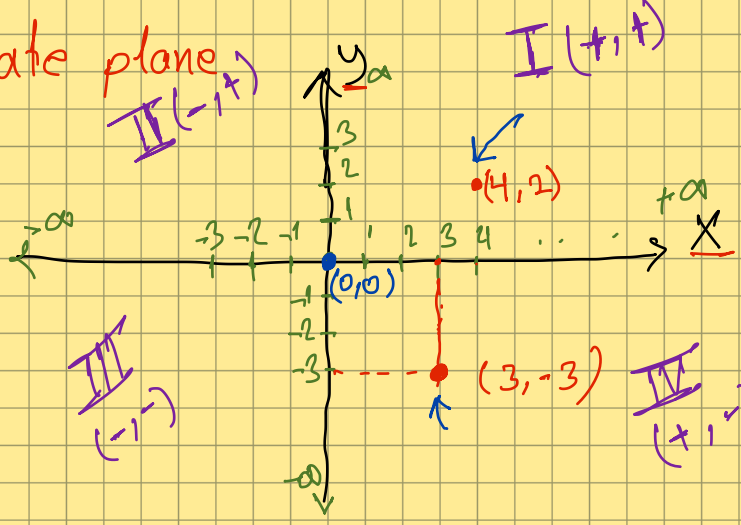
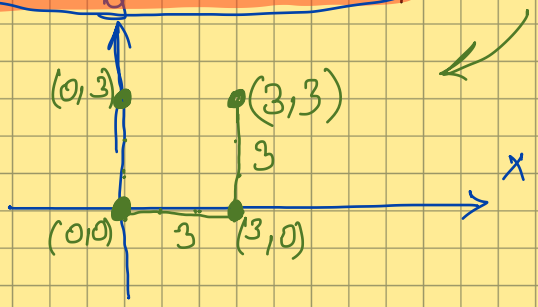
→ x-y coordinate plane



$D = \{(0,0), (0,3), (3,0), (3,3)\}$

$|D| = 4$



D → vertices of a square

D → I

D → each side has length of 3

Set-builder notation :-

$A = \{1, 2, 3, \ldots, 1213\} \Rightarrow A = \{n \in \mathbb{N} : n < 1213\}$

$\mathbb{N} = \{1, 2, 3, \ldots\}$

$P = \{\text{expression} : \text{rule}\}$

Describe set $A = \{7a + 3b : a, b \in \mathbb{Z}\}$ (a and b are integers-)

→ imagine $n \in \mathbb{Z}$

$n = 7n - 6n$

$= 7n + 3(-2n)$

$a = n$

$b = -2n$

set A has integers

$A = \mathbb{Z}$