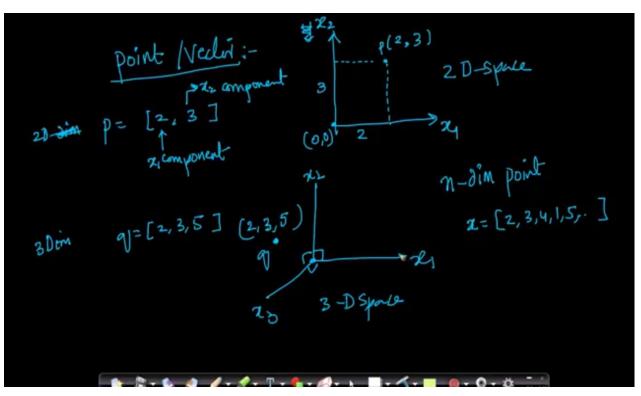
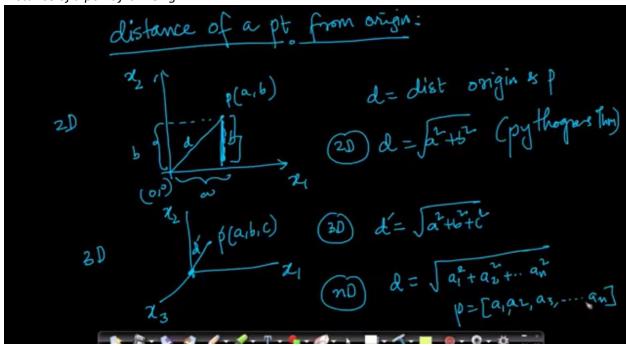
## Intro to vectors

• Representing a point in a space



• Distance of a point from Origin



• Distance between two points:

• Row Vector and Column Vector

You vector: 
$$A = [a_1, a_2, a_3, ..., a_n]$$

Volumn vector

 $b = 2 b_2$ 
 $b_1$ 
 $b_2$ 
 $b_3$ 
 $b_4$ 
 $b_5$ 
 $b_5$ 
 $b_5$ 
 $b_6$ 
 $b_7$ 
 $b_7$