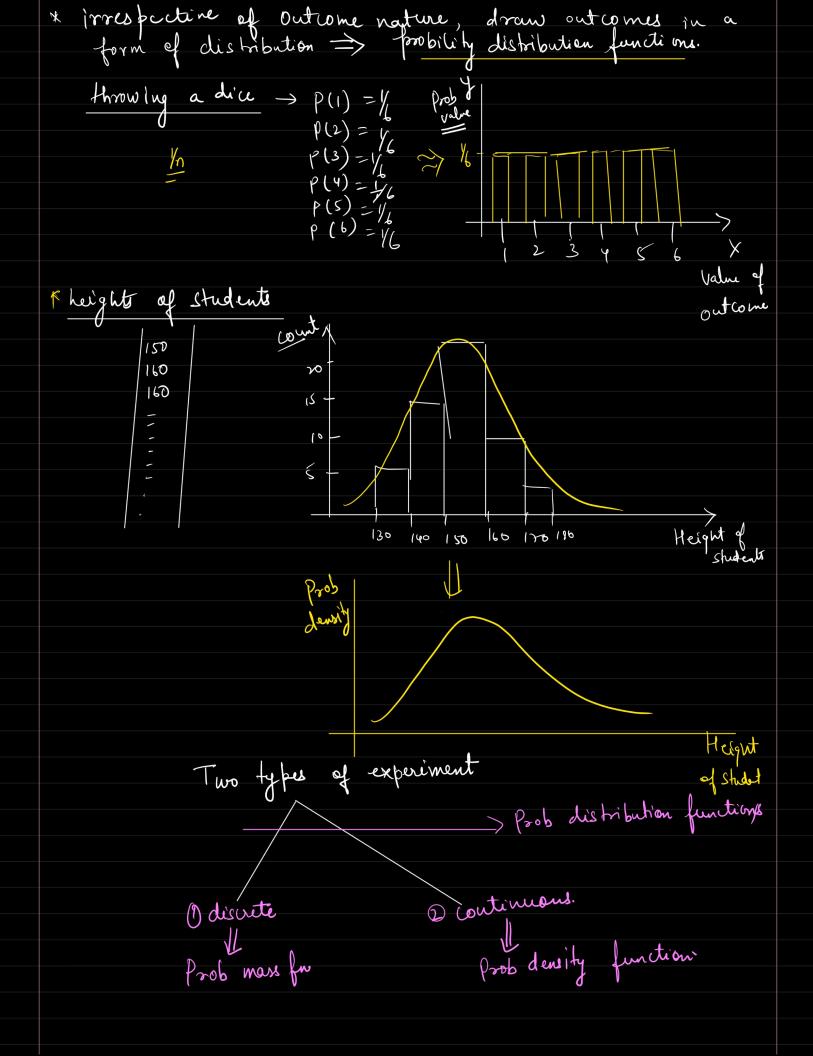
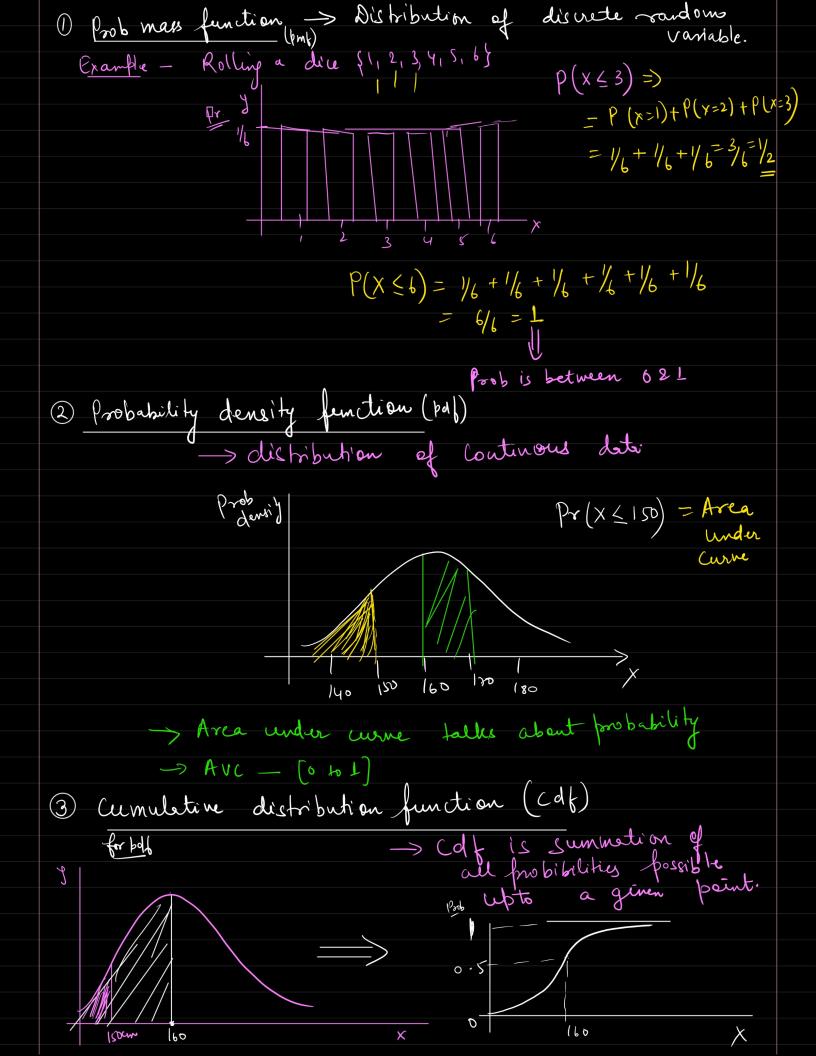
or Probability distributions Random variable: - A set of possible Nalues from a random experiment. >> A random variable, value is unknown. -> A function that assign values to each of experiment outcomes. tossing a coin - SH, Ty X = {0,1} $\begin{cases} p(x = H) = 1/2 \\ p(x = t) = 1/2 \end{cases}$ A function = L (where n is total)

no of outcomes) $P(H) = \frac{1}{2}$ * <u>olice</u> - 1, 2, 3, 4, 5, 6. 16, 16, 16, 16, 16 function that can be used to get probability. Outcomes of Experiment "Calculate the forob if a student > tossing a coin height is below 170 cm. (discrete outcomes)

Probability mass function (continuous outcomes)
Probability density function





for pml cd P(x)X 1 2 3 = 46 1677 1676 16876 YL 5/6 4/6-યુ₆ ઝડ 416 (1)

Prob distribution function