Probability Distribution function and cumulitive distribution function

Pro

1/6

$$P(x \le 1) = \frac{1}{4}$$

$$P(x \le 2) = P(x = 1) + P(x = 2)$$

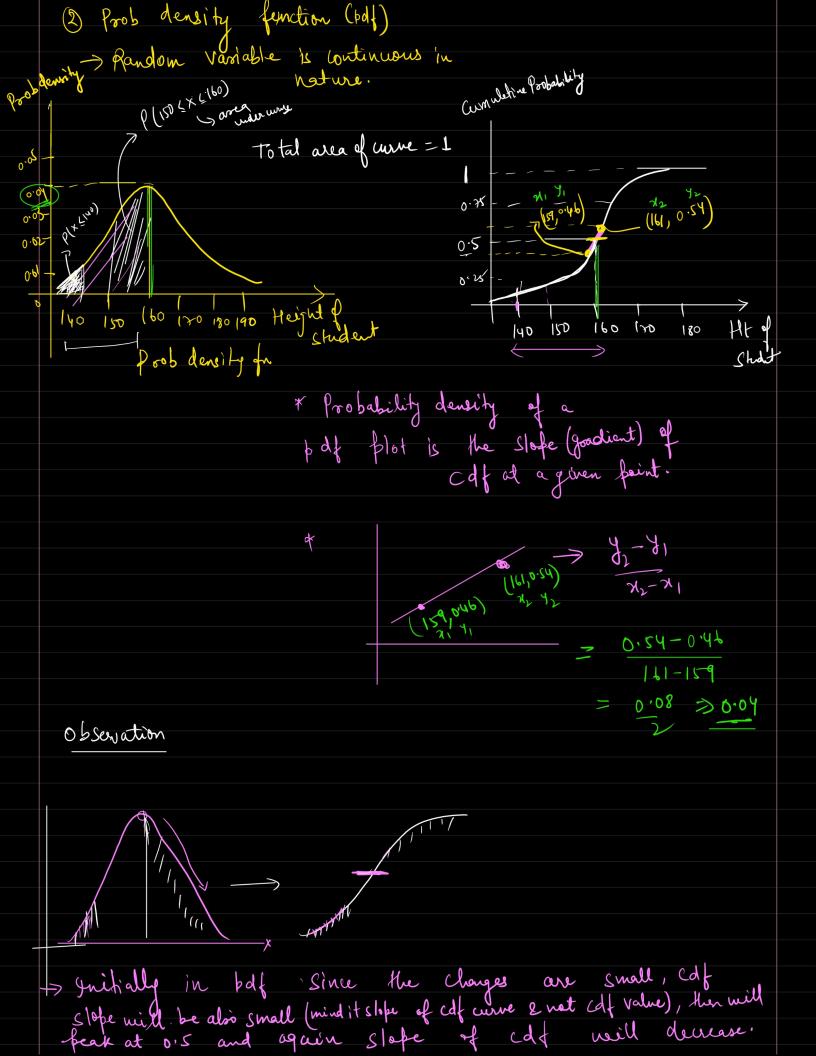
$$= \frac{1}{4} + \frac{1}{4} = \frac{1}{4} = \frac{1}{4}$$

$$P(x \le 3) = P(x = 1) + P(x = 2) + P(x = 3)$$

$$= \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4} = \frac{1}{4}$$

$$P(x \le 6) = P(x = 1) + P(x = 3) + P(x = 4) + P(x = 5) + P(x = 5) + P(x = 6)$$

$$= \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{1$$



g Can prob dennity > 1 ??