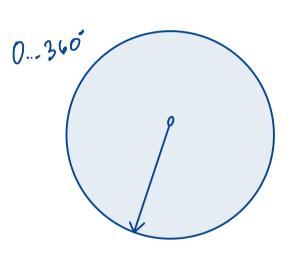
PROBABILITY DISTRIBUTION



What is the probability that object has an angle 180°?

Its of revery

angle. Quite

impossible to get

from oxact angle

CO MINDRUM. Does it mean the object stops nowhere? Des XNO IN CONTINUOUS DISTRIBUTION, EVERY OUTCOME HAS APROBABILITY OF PLX=al: 9 total no of outcomes P(X=a): a infinity Range Probubility Outcome: X P(04×<180°):0.5 P(1802 + < 360) : 05

7(260° L × L 240) = 0.0 x3

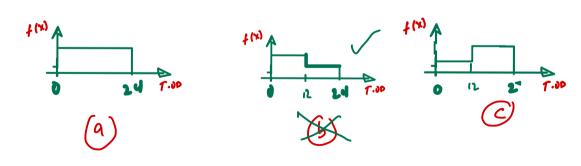
7 at al ar realt can fall = 712 = 11

Area = 11(2.38)

360

DENSITY ~ (Probability) for continuous) spaces

QUIZ : Densities that are non-Time of the day when people are born is twice as likely to be born before noon



$$f(x) = 2f(x) = 1$$

$$x = 1$$

Arran of
$$a = \frac{2}{3}$$

Arran of $a = \frac{2}{3}$

a= 18 h: /36

Quiz:
$$f(x < n \text{ non}) = 2 \cdot f(x > n \text{ non})$$

Area = 22

Density fan = ail a under the curve.

Total area = Area of (+ Area of 2)

$$1 = 2 + 2$$
 $2 = \frac{1}{3}$

He a of $1 = 2 \cdot 1 = \frac{2}{3}$
 $3 = \frac{2}{3}$

Afren of
$$b = \frac{1}{3}$$

$$12b = \frac{1}{3} \Rightarrow b = \frac{1}{3}$$

Area = 1
$$\therefore \Delta a = 1$$

$$\therefore \Delta a = 2$$