×	-2	-1	2	3
Pi	0,1	0,2	0,4	P

$$P = 1 - \sum_{i \neq 4} P_i = 1 - 0, 1 - 0, 2 - 0, 4 = 0, 3$$

$$F(x) = \begin{cases} 0, & x < -2 \\ 0, 1, & -2 < x < -1 \\ 0, 3, & -1 < x < 2 \\ 0, 7, & 2 < x < 3 \\ 1, & x > 3 \end{cases}$$

Γραφίκρημα μίζ ροβποθίλη:

$$f(x) = \begin{cases} \frac{2}{\hbar} \cos^2 x, & |x| \leq \frac{\pi}{2} \\ 0, & |x| > \frac{\pi}{2} \end{cases}$$

$$M(x) = \int_{-\infty}^{\infty} x f(x) dx \Rightarrow M(x) = \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} co_{3}^{2} x dx$$

Bigours, up coszd = coszd - sinzd 3 liga 2012d+1 = co12d - sin2d + sin2d + co12d

36 gcu ompunyeus; co12d = 1+ co12d

Repenueuro:

$$M(x) = \frac{2}{\pi} \int_{x}^{\frac{\pi}{2}} x \left(\frac{1}{2} + \frac{\omega_{3}2x}{2}\right) dx$$

$$\frac{\pi}{2}M(x) = \int_{z}^{\frac{\pi}{2}} x dx + \frac{2}{2} \int_{z}^{2} \frac{x}{2} \omega_{3}2x \cdot \frac{d(2x)}{2}$$

$$\frac{\pi}{2}M(x) = \int_{z}^{\frac{\pi}{2}} x dx + \frac{2}{2} \int_{z}^{2} \frac{x}{2} \omega_{3}2x \cdot \frac{d(2x)}{2}$$

$$\frac{\pi}{2}M(x) = \int_{z}^{\frac{\pi}{2}} x dx + \frac{2}{2} \int_{z}^{2} x \omega_{3}2x \cdot \frac{d(2x)}{2}$$

g(t)=t cost - q-19 menapus, immerpour ne bignizmy [-a;a], ge a = const, ∈ C gopibuoe my no. : $\frac{\pi}{2}M(x) = \frac{1}{8} \cdot 0$ \Rightarrow M(x) = 0 $\beta - g_{6}$: M(x) = 0

X	0	1	2	3	4
Pi	P,	Pz	P3	Py	P ₅

$$\Rightarrow P_n^m = C_n^m P_q^m q^{n-m},$$

$$P = 1 - q,$$

$$n \ge m,$$

$$P_3 = C_4^2 \cdot 0, 8^2 \cdot 0, 2^2 = 0,1536$$

$$P_5 = C_4^4 \circ_1 8^4 \cdot \circ_1 2^0 = 0,4096$$
 main d'induit
in unobiprisme

×;	-4	-1	0	4	5
Pi	1/8	\$	$\frac{1}{2}$	8	18

$$Y = x^2 \Rightarrow M(Y) = M(x^2)$$

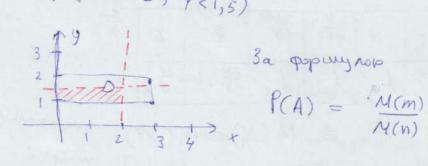
$$M(Y) = M(X^2) = \sum_{i} X_{i}^{2} P_{i} = \frac{29}{4} = 7,25$$

$$D(Y) = M(Y^2) - M^2(Y) = \sum_i x_i^4 p_i - (\frac{29}{4})^2$$

... wat wo $D(Y) = \frac{1435}{16} = 89,6875$

$$f(x,y) = \begin{cases} \frac{1}{3}, & 0 \le x \le 3, & 1 \le y \le 2 \\ 0, & (x,y) \notin D \end{cases}$$

P (0<x<2, Y<1,5)



$$f(A) = \frac{M(m)}{M(n)}$$

:.
$$P(A) = \frac{1}{3} = P(oexez, Yel, 5)$$

B-96:
$$P(0< x<2, Y<1,5) = \frac{1}{3}$$