Яонтронона робота студента групи 17мі-22 Драса Мазара (4) Marena Turnen enogiba unelle quekper usi bunagroboi zuinnoi & nazuba 1076 cyny godytkib zna reno i i va unobipuocti, 3 ekunu bona nadybac bignobigneux marches, 70000 $E(S) = \sum_{i=1}^{\infty} x_i p_i$ 1) E(C) = C (C - KONCTANTA) 2) | E(S) | 3 E(ISI) 3) E (SC) = CE(S) 4) E (5+ n) = E (5) + E (n) 5) E(5. n) = E(5). E(n), erryo S Ta n - Meza le surei

(A) P(S=0) = C3.0,3.0,7 = 0,343 P(5=1)= C3 · 0,3 · 0,7 = 0,441 P(5=2) = C3 · 0,3 · 0,7 = 0,189 P(5=3)= (3.0,33.0,720,027 Xi 0 1 2 3 Pi 0,343 0,441 0,189 0,027 E(S) = np = 3.0,3 = 0,9 D(\$) = hpq = 3.0,3.0,7 = 0,63 (4) Maren. emogile uenepeptusi bunage zuiseroi 5, reazibanto interpar, byetui no obiacti idey Barens it ryetures poznoginy, Big godyttig gitt bunagk, zuirusi tia it ryctury poznoging E(S) = 5 x . p(x) dx

2 F(x) = {0, x<0 1-e, x70 f|x| = F'|x| - fo, x <0 lex, x > 0 Ye i & mama nyéruna To No $P \mid 2 < x < 3 \mid = F \mid 3 \mid -F \mid 2 \mid =$ = $1 - e - 1 + e = e - e \approx 8$ $\approx 0,0855482$ ≈ 0,0855482 (3) $f(x) = \begin{cases} 0, & x \leq 1 \\ 0, & 7 < x < 5 \end{cases}$ 12. a-1=0 => a = 1/12 9^{2} -yil poznogiy: $F(x) = \int_{-\infty}^{x} f(x) dx$ $F(x) = \int_{-\infty}^{\infty} 0 \, dx = 0, \quad x \leq 1$

F(x) =
$$\int_{12}^{8} \frac{1}{2} dx = \frac{x^{2}}{24} - \frac{1}{24}$$
, 14x<8

F(x) = 1, $x > 5$

Mat. choquba rund:

E[x] = $\int_{12}^{8} x \cdot \frac{1}{12} dx = \frac{x^{3}}{36} \int_{1}^{5} = \frac{1}{36} - \frac{1}{36} = \frac{31}{9} \approx 3 \times \frac{1}{2} 4 \times \frac{1}{9} = \frac{1}{48} = \frac{31}{9} \approx 3 \times \frac{1}{2} 4 \times \frac{1}{9} = \frac{1}{48} = \frac{31}{9} \approx \frac{1}{9} \approx \frac{1}{1} = \frac{31}{9} = \frac{1}{48} = \frac{1}{1} = \frac{1}{1}$