

Əsgər A)

$$A_1: 6x, 6, b_j \text{ to } 6, 5, 3, 30$$

$$A_2: \gg \gg \gg 13$$

$$A_3: \gg \gg \gg 59$$

$$A_4: a \rightarrow \Sigma, b \rightarrow \Lambda, \gamma \rightarrow \Lambda, \delta \rightarrow \Lambda, \varepsilon \rightarrow \Sigma.$$

Əsgər B)

$$B_1) V = v_1 + v_2 + v_3 + v_4 = \dots = 40$$

<u>B₂)</u>	<u>Küçək</u>	<u>v_i</u>	<u>f_i</u>
[-)	x _i		
2-4	3	12	0.3
4-6	5	8	0.2
6-8	7	14	0.35
8-10	9	6	0.15
<u>ƏYNI NƏHA</u>	<u>X</u>	<u>40</u>	<u>1</u>

Və avariya sturndə:

$$f_i = \frac{v_i}{V}, i=1,2,3,4.$$

$$B_3) a) \bar{x} = \frac{\sum_{i=1}^4 x_i \cdot v_i}{V} = \frac{228}{40} = 5,7$$

$$b) \frac{3v_2}{4} + v_3 + v_4 = 6 + 14 + 6 = 26 \text{ ayları.}$$

ƏMƏK

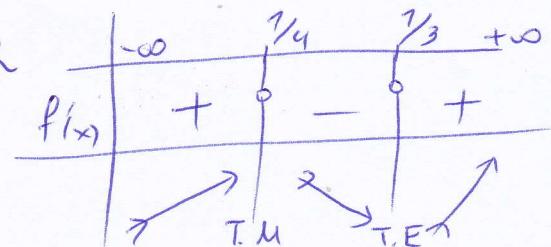
T₁)

f(x) nəqayiqitliyin 6 to IR ws nojivliyis

$$f(x) = 19x^2 - 7x + 1, x \in \mathbb{R}$$

$$X_1 = P(K) = \frac{1}{4},$$

$$X_2 = P(A) = \frac{1}{3}$$



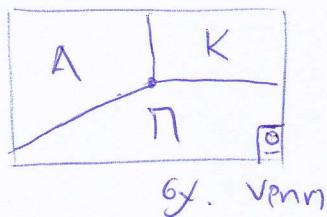
KUVVƏT = η + K, A, η a bəylibatın

$$\text{Apu } P(A \cup K \cup \eta) = 1 \Rightarrow \dots P(\eta) = \frac{5}{12}.$$

E $P(E) = P(K \cup A) = P(K) + P(A) = \dots = \frac{7}{12}$, si K, A asymbitana.

$$P(\Delta) = P(K' \cap A') = P(\cap) = 5/12$$

$$P(E) = P(A \cup \cap') = \dots = P(\cap') = 1 - P(\cap) = 7/12.$$



3 $N(A) = N(\cap) - 4 \quad (1)$

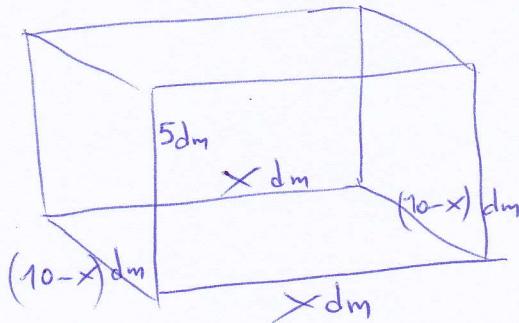
$$\text{Oým} \quad P(A) = \frac{N(A)}{N(\emptyset)} \Rightarrow N(A) = \frac{1}{3} N(\emptyset)^{(2)} \quad \left. \begin{array}{l} H(1) \\ \text{yirizm} \end{array} \right\} \Rightarrow N(\emptyset) = 48$$

$$\text{Oým} \quad P(\cap) = \frac{N(\cap)}{N(\emptyset)} \Rightarrow N(\cap) = \frac{5}{12} N(\emptyset)^{(3)}$$

Thetaia Δ1 • Π $\text{πρικτρος} : 2 \cdot \cap_{\text{λαλο}} + 2 \cdot \text{γηνος} = 2 \cdot y + 2x \quad \text{oým} \quad \cap = 20 \quad \left\{ \begin{array}{l} x \\ 10-x \end{array} \right.$

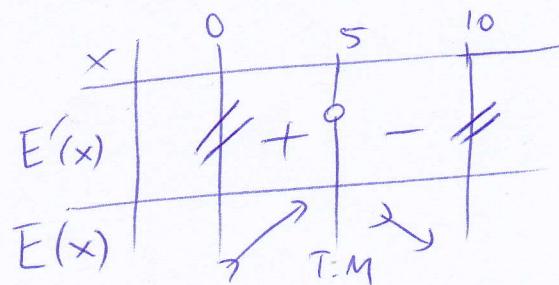
Δ1 $E(x) = 8 \cdot 5x + x \cdot (10-x) + 10(10-x) = \dots = -x^2 + 10x + 100$

$x \in (0, 10)$



$$E'(x) = -2x + 10.$$

$$E'(x) = 0 \Rightarrow x = 5$$



Δ2 a) $2s^2 - 5s + 8 = 0 \Rightarrow \dots s_1 = 1/2, s_2 = 2$

• Γia $s_1 = \frac{1}{2}$ eim $(V = \dots = \frac{1}{16} < \frac{1}{10}$ oým oýologivis (~~π~~))

• Γia $s_2 = 2$ eim $(V = \dots = 85\% \text{ oým } S = 2)$ $\left(\Delta \text{ Aroujymas} \right)$

$$6) S^2 = \frac{1}{v} \cdot \sum t_i^2 - \left(\frac{\sum t_i}{v} \right)^2 \Rightarrow S^2 = \frac{1}{v} \sum t_i^2 - \bar{x}^2 \Rightarrow$$

$$\sum_{i=1}^{15} t_i^2 = v \cdot (S^2 + \bar{x}^2) = \dots = 68 \cdot 15$$

$$A_{\text{pa}} \quad \bar{x}_i^2 = \frac{\sum t_i^2}{v} = \frac{68 \cdot 15}{15} = 68.$$

Δ_3 • $E(x) \downarrow_{670} [5, 10]$ αφού $R = E(5) - E(9) = \dots = 16$

$$y_i > -4x_i + 9R + 1 \stackrel{\Delta_1}{\iff} -x_i^2 + 14x_i - 45 > 0$$

$$\iff x_i \in (5, 9) , A_{\text{pa}} B = \{x_2, x_3, x_4, \dots, x_{14}\}$$

$$A_{\text{pa}} \quad P(B) = \frac{N(B)}{N(\cup)} = \frac{13}{15} \quad N(B) = 13$$

Επιρήμα : ~~Λ~~

ΚΟΣΟΓΛΟΥ ΙΩΔΑΝΗΣ
ΠΕ 3 - ΜΑΘΗΜΑΤΙΚΟΣ