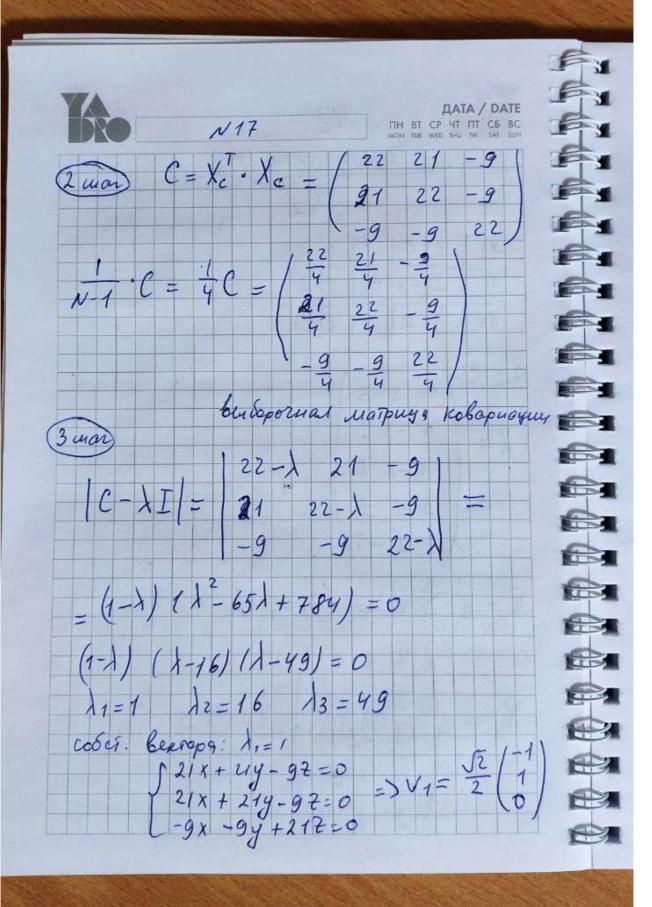
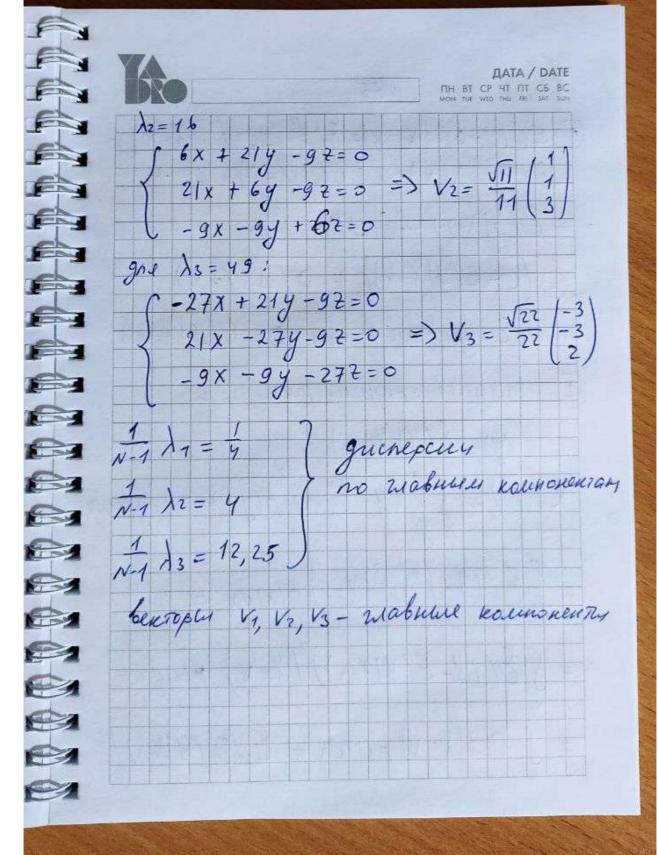
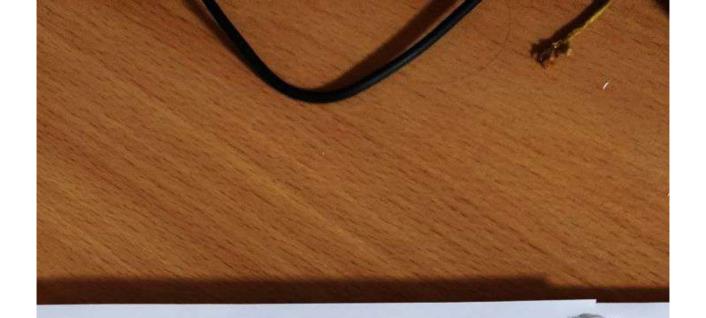


FI YA	W)		DATA / DATE			
	MZ		MON	INE AND	5HU /N	5AT 9/N
	1 Teoperweeneel	9/8				
	1/7					
	217					
	10-139					
V	2 -3 -2 1 2					
1 X3	3 2 2 1 -3					
1 Juan						
	423					
	0 -3 2					
X=						
	-1-22					
	3 1 1					
	42-3/					
$\bar{X} = \frac{1}{n}$	\frac{1}{2} x(1) = (2,0,	1)	1-1-			
1 = n	$\sum_{i=1}^{n} x^{(i)} = (2, 0, 1)$	/				
	1222					
The V	-2 -3 1					
Xc =	-3 -21		1			
da da						
	110					
	122-4/					







TAO

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ДАТА / DATE

+ E (41x=x)2 - E(41x=x)2

(c-E(4|X=x))2+ D(4|X=x)

min & governaeme upy C = E(4 1X=x)

(2) Напден средний риск при

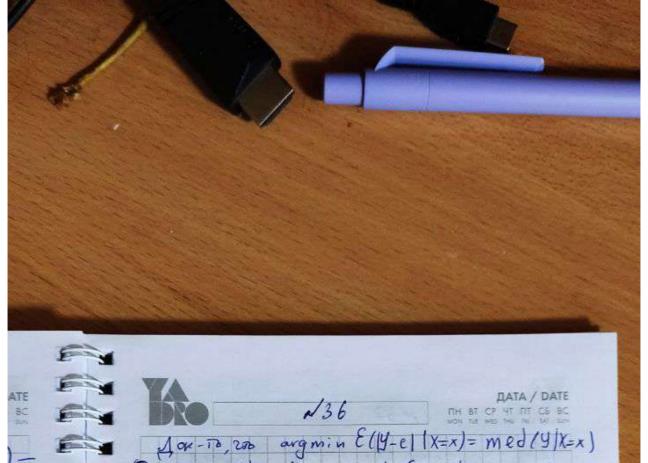
f*(y)= E(4|X=x)

 $R(f^*) = SS(y - f^*(x))^2 p(y | X = x) dy p(x) dx$

= $\int \mathcal{E}[(y-f(x))^2](x=x) p(x)dx =$

= SE(14-E(41X=x))2/X=x) pex) fx =

= $\int D(Y|X=x) p(x)dx = E_x(D_y(Y|X=x))$



Aqu-10, 200 argmin E(14-e) (X=x)= med(4)(X=x) OE (14-01 x=x) = 5 14-cl fy(x) dx = $= \int (c-y) f_y(x) dx + \int (y-c) f_y(x) dx =$ Sctywdx - Syty(x)dx + Sytymdx +00 - Sc fy (x) dx № Продиряеренцируем по С $\frac{d \mathcal{E}(|y-e|/x=x)}{dc} = \int_{-10}^{c} f_y(x) dx - \int_{-10}^{+\infty} f_y(x) dx = 0$ XXXXX Идино взего с, гобы fy(c)=c,5, a это значи, го С= median (У/X=x)

