Фак. номер 2001261008 NY "NAUCUU XUNCHERDEKU", FOMU BAYATU 3A CAMOCTOSTENHU YNFRIMIERUS NO MART 31 CHER. Undoopmatura a) 1 (x142+ x243+x341)-(x271+ x342+ x1 43) s 5 1 (0+64+(-12)-(-24+0+8)5 5 1 (52-(-16) 5 1.68 6 34 A, B, C HE CA KONLIKUER PRELI Б) AB/100 => AD/18C -> AB(D) е Успоредиик

AB (8-1;0-3) = DE (4-(-3);5-8), т.е AB(D) е Успоредиик

В) ОС = \$ (ОА+ОВ+ОС+ОВ) G: (1+8+4-3; -3+0+8+5) => G: (10; 10) => G(5;5)

3Ag 2 0 (4, -1, 1) 7 5) (2,1,0) ? (1,0,5) } rupeino 3ABUCUMA (0,-2,4) } rupeino 3ABUCUMA (2,-1,6) a) Ms = (x, 4, 2) 6 R3 | X+4+2=0  $M \leq R^3$  |x+y+z=0 |x+y+z=0 |x+y+z=0 |x+y+z=02(4+2)50 4+250 45-2 C) X5-2+250 (x;4;2) = (0;-Z;2) 6M m1 = (0;-2;2); M2=(0;-p;p), 5) A=(00 b), a, b, c ER 1) A = M2 x2 (R) { (a11 a12), a; ER} 2) (12) EA, (as1; 6,2; C,3) => A +0 3) (a1 b1 ) EA; (u2 b2 ) EA 2b1 01+(1) (2b2 012+(12)

261 an+(1) + (az 62) = (an+az 61+62 ) & A
261 an+(1) + (2602 az+cz) = (2(61+62) (ax+az) + (cx+cz)) 4) (us 62) EA, NER 1. (41 61) 5 ( Na1 161 ) 261 (2161 ) OT 1) go 4)=) A e BEKTOPHO DPOCPANCIBO HA @ Mexa As (a 6) e (a 0) + (0 6) + (0 0) s
26 a+c) (0 a) + (0 6) + (0 c) s ca(10)+B(01)+C(00) [e1 s (10), e2 s (01); e3 s (00)] 16. e1 + 12. e2 + 13. e3 c0  $\Lambda_{1}(10) + \Lambda_{2}(01) + \Lambda_{3}(00) \cdot (00)$  $(n_1 \ 0) + (0 \ n_2) + (0 \ 0) \cdot (0 \ 0)$  $(11 \ N2) = (00)$  (00)

11150 1250 12=13=0 => Jim A=3 21250 14+13 ED B) A= (a B); a, 6, c 6 R 1) A < M2×2 (R) [ (a11 a12), a; 6 R] 2) (13) EA, (u:1;6:2; c:3) => A +O 3) (as 61 ) 6A, (az 62 ) 6A 2 as-a 2 az-cz) (u1 61) + (u2 62) 5 (u1+u2 61+b2 2 01-c1) + (2 02-c2) 5 (u1+u2) - (c1+c2) 5) A HE E BEKTOPED NOP MPOCRPANGED, HOMA HYMYU OT PASMEPHOET (3444) A(2,1,-3) B(2,2,0) B(4,-2,4) E(0,1,1) C(0,1,0) DOKASATEROREO: AB = 2A(2,1,-3) (1AB(2,-3,7)

	Joak Hopep 2001261008
	(X=2+2t  x-D 4-1 2-0
	7 451-3t CDE1 2-0 2-1 0-0 5
-	(25-3+8t 0-0 1-1 1-0
	X 4-1 2
-	s 2 1 0 s X-2(y-1)=0
	10 0 1
3	CDE 1 X-24+2=0
	AB 1 COE
	(2+2t)-2(1-3t)+2=0
-	2+2t-2+6t+2=0
	86 5-2 (ts - 1)
4	1 3
-	$(x \le 2 + 2(-\frac{\pi}{4})) \in \frac{3}{2}$
-	T.M 3 452-3(-===================================
-	$(25-3+8(-\frac{1}{7})s-\frac{15}{7})$
-	
1	SAG, S
	a. 6 s [a] · 18   · cos + (a, 6) = 2.3 · cos 60 = 2.3 · 1 (3)
	2 3 10 10 10 10 10 10 10 10 10 10 12 13 12 (2)
	32 c (212 c 22 P)
	62 - (B12 - 32 (9)
	(2+B)(2-36) = 22-326+6.2-3625
	z4-3.3+3-3.4z4-4+3-27(-24)
(	3A9.6)
	2(1,-1,0),6(-3,0,3)
	p = (4,-1,0)+(-2,0,3)=(-1,-1,3)

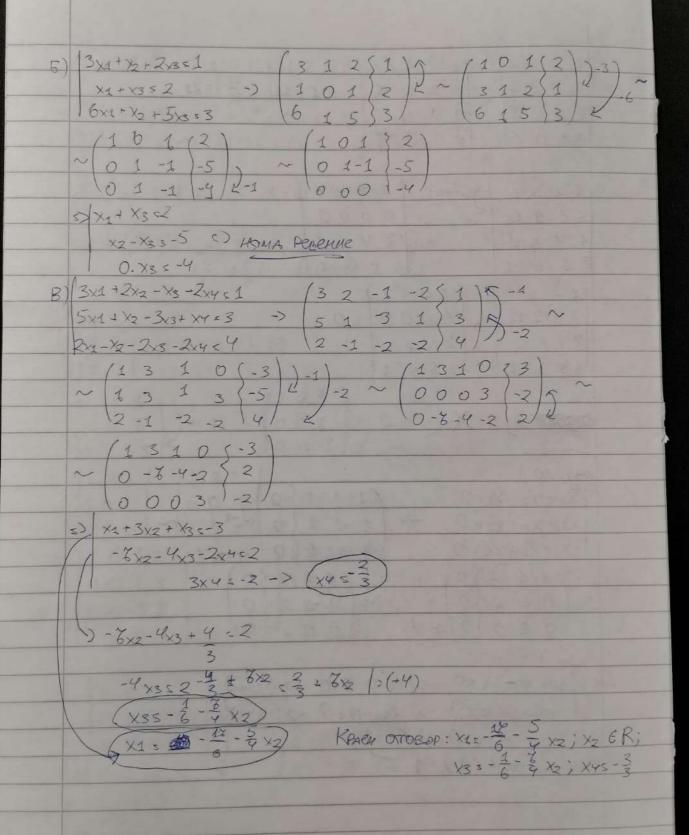
```
q = 303-6 = 3. (1, -1,0) - (-2,0,3) = (3,-3,0) - (-2,0,3) = (5,-3,3)
   P/2 (-1)2+(-1)2+32 = (1 => 1P/= (11

10/2 = 52+(-3)2+(-3)2 = 43 => 10/= (43
   P. 9 = (-1,-1,3). (5, -3,-3) = (-1).5+ (-1).(-3)+3.(-3)=-5+3-9=-4
   (05 ₹ (p,q) = p.q = -11 = - \(\frac{11}{12}\) \(\frac{1}{12}\) \(\frac{1}{12}\) \(\frac{1}{12}\) \(\frac{1}{12}\) \(\frac{1}{12}\)
   12-3/= (1.4)-(-3.2)= 10
                    x(-2) = \begin{pmatrix} 1 & 23 \\ 0 & 0 & 7 \\ 0 & -3 & -9 \end{pmatrix} \begin{pmatrix} 1 & 23 \\ 0 & 3 & -9 \\ 0 & 0 & -8 \end{pmatrix}
    123 | 125
    007 = 0-3-9 = 1.(-3)-(-6)=21
    21-3 007
B) 11 0 32 () (1) 1032
                                 0045 )·(-2) = 0045 (1-4) = 20-58 L 00-114 4 102
    -1013
                                20582
    20-58
    4102
                                                                 11032
      1032
      0045 7
      0 0 -11 4
      0 1 -12-6
```

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	1032/ 11032/
	1013 501-12-6 (1.1.(-11).(-21)=31
	20-58 00-114
	4102 000 - 51
1 1)	1234 [2.(-3)   1239
	36912 <sup>L</sup> 0000 7421 7421
	7421 7421
	356-1 356-1
	11234   11254
1 123	36412 0000 0
	8421 8421
THE STATE OF THE S	356-1 356-1
<b>3</b>	
1	COORDI BAY 2 X
•	Bary 2 X
	30e 10
•	329, 10 1 X4+X2-X350 (11-150)77
0)	$349,10$ $1 \times 1 + \times 2 + \times 3 = 0$ $1 \times 1 - 1 \times 1 + \times 3 = 0$ $1 \times 1 - 1 \times 1 + \times 3 = 0$ $1 \times 1 - 1 \times 1 + \times 3 = 0$
•	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
•	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
•	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

(1

2



	Parkoner 2001261008
7)	X1 + 2x2 - X3 + X4 54 / 12 -1 1 (4 ) +1)
	- X1 + X4 = 1 -> -1 1 0 1 1 2 -3 ~
	3×1+6×2-3×2+3×4×1R 36-3312 2/-2
	2x1-X2+3x3-X452 2-1 3 1 2 K
	THE PERSON STREET BY THE PROPERTY OF THE PERSON STREET
	~(12-11(4) ~ (12-11(4) ~
	03-1257 03-1254
	000000000000000000000000000000000000000
	0.55-3 -6/2 0
	(12-1154) [12-1154)
	~ 0 1 3 1 (4), ~ 0 1 3 1 (4)
	03-12 5/2-3 (00-10-1)-8
	AND THE RESIDENCE OF THE PARTY
	e> / X <sub>1</sub> + 2x <sub>2</sub> - X <sub>3</sub> + 66 X 4 5 4
	( X2 + 3x3 + X4 < 4
	-10x3 + x4 s - 6 -> X4 s - 10x3 + 8
	X2+3x3-10x3+6c4-> X2-6x3-3
	> x6+2(8x3-3)-x3+(-10x3+8)=4
	x1+3x3+6=4-> x1=3-3x
	KAREY OFFORD => X1: 3-3×3; X25 6×3-3
	x3 CR; x45-20x3+6
/	344 10
	121 \. x = (10)
OX.	21 01
	13. 13
	Let 15 2 1/ = 2-2=0 => He Conjectsyon A => HONA
C	fet 1 = 2 1 = 2-2 = 0 => He Chyect84BA 1 => HONA  Persenue

(3A4. 12) ys K1. X+n1 u yck2-x+nz ty 4 sk1-k2 -> 4=450 ky = -2 1+ K1-K2 In. ty 450 = K-(-3) 1 = 3K+2 => 3K+2 = 3-2k -> K=1 s) l: -4 = 1 × +n -> -1 = = 1 + n s> n = -4 <> 6: 40 = X - 4 -> X-54-40 14 Lyc43° = -3-K 1+(-3)k 1: -2-3× 3) 3-2ks-2-3k -> Ks-5 5> 4c-5x+n-76=5+n->n=6 5> 9 5-5×-6 5) ( 5 Z B (-6,3) L 11 p: 3x+47-8=0 lup => l:3x+7y+c=0 3.(-1)+4.3+C=0 =>c=-9 576: 3x+100 44-9=0

B) & S 2C(1,3 Ll:3x+43+61:0 y Lls> y \ 2 C (1,3) 5> V-1 5 4-3 (4-1) 53 (4-3) 5> 57 g: 4x-39+5=0 T) l SZD(10) ZE (3,2) (3 & 11 DE (1,2)  $\frac{x-1}{1}$   $\frac{y-0}{2}$   $\approx 2(x-1) \le \frac{y}{2}$ 57 6: 2x-4-250 3AG 13) ABC; A(-1;-2); B(3;-1); C(0;4) C(0;4) a) MPABATA AB & 2A(-1;-2)=> X+1 = Y+2 LZB(3; -1) 3+1 -1+2 5) X+1 9+2 5) X+1-44 +8 c) 5) X-44-7 50-> AB B(3;-1) A (-1,-2) BC 5 2B (3;-1) => x-3 - y+1 -> x-3 - y+1 -> 5x-15 e-3y-3 => (2(0,4) 0-3 4+1 -3 5 => BC: 5x+3y-12=0 AC 5 2A (-1;-2) => X+1 = 4+2 => X+1 = 4+2 => 6x +6-4+2 (26(0,4) 0+1 4+2 => AC: 6x-4+450 6) YH = YB + XG 5 3+0 5 3 YM = YB + YG 5 - 1+4 3

```
=> ma { 24 (-1;-2) s> x+1 s 4+2 s> x+1 e 4+3 s>
         (2M (3;3) 3+1 3+2 5 56
  5) $ (x+1) c5 (y+2) c> 6x+6 s5y+10 c> mu: 8x-5y-3c0
B) BUED TECHNIA MPCB BEPXA A: Me & ZA(-1;-2)
                        [LBC(-315)
  -3+5y+6=0 -> -3.(-1)+5.(-2)+00=> C=7
  => ha: -3x +5y+2=0 (-(-1) => hu: 3x-5y-7=0
 304.14)
  A(1) 1); B(3; 6); M(2; -1)
                                     · M(2;-1)
                                           B(3:1)
a) TRABA AB 52A (1:1) <>
      (2B (3;1) A(1;1)
  c (2;3)
  => O(x-1) = (2(4-1) => AB: 24-2=0 1:2 => AB: 4-1=0
5) 1) l S 2M (2;-1) => l: 2-x+0-y+6=0
    (_AB (2;0)
  22+C=0 57 C=-4
  s> 6: 2x-4=01:2 => 6:x-2=0
  2) ( N AB=D e) |4-1=0 0 4=1 5> D(2,1)
                 X-250 X12
  3) D- (peger HA MC=> XOS XM+XC=> 2 = 2+XC => XC=2
  40=44+4c => 1=-1+14 => 4c=3 => C(2;3)
SABC . 1. AB. CO
 IABI = V(3-1)2 + (1-1)2 = 2 ICDI = V(26-2)2 + (1-3)2 = 2
 => SABC = 1 - 12 -> SABC = 2 CM2
```

Dax Homes 2001261008

$$\begin{pmatrix} -1 & 1 & 1 & 1 & 0 & 0 \\ 0 & -2 & 0 & -1 & 0 & -1 \\ 0 & 0 & -2 & -1 & -1 & 0 \end{pmatrix}$$
  $\begin{pmatrix} -2 & 0 & 2 & | & 1 & 0 & -1 \\ 0 & -2 & 0 & | & -1 & 0 & -1 \\ 0 & 0 & -2 & -1 & -1 & 0 \end{pmatrix}$