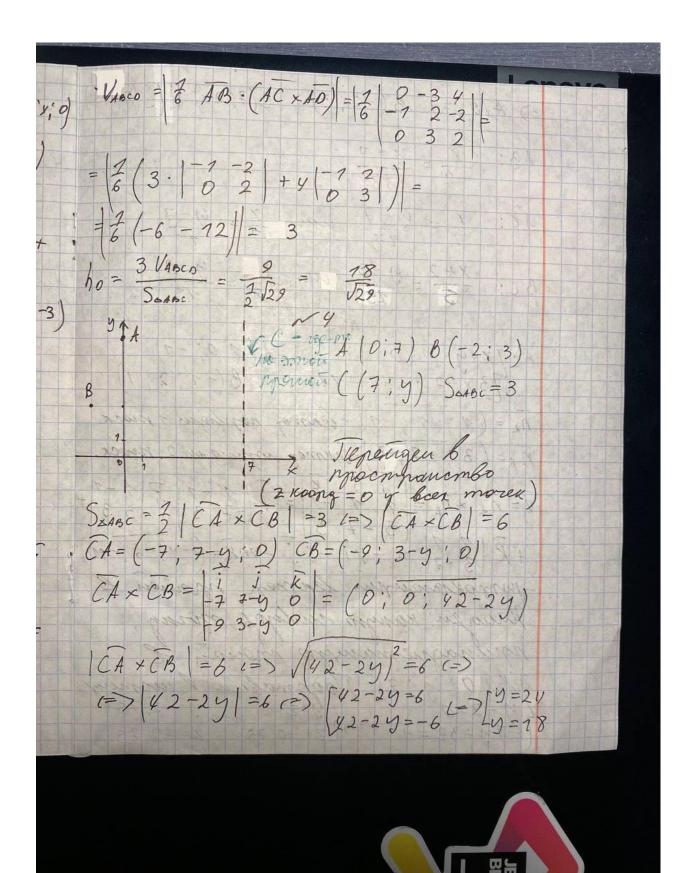
Рисунки для номеров 5, 6, 7 находятся на последней странице документа.

Lenovo
Main al Maria V
A(3:1;-2) B(3:-2:2) ((2:3:,-4) P(3:4:0)
AB = (33; -2-1; 2+2) = (0; -3; 4)
$ AB = \sqrt{p^2 + 3^2 + 9^2} = \sqrt{25} = 5$
$ AB \times AC = \begin{vmatrix} \overline{i} & \overline{j} & \overline{k} \\ 0 & -3 & 4 \end{vmatrix} = \overline{i} \begin{vmatrix} -3 & 4 \\ 2 & -2 \end{vmatrix} - \overline{j} \begin{vmatrix} 0 & 4 \\ 1 & -2 \end{vmatrix} + \overline{j}$
$ +\overline{k} = -2\overline{i} - y\overline{j} - 3\overline{k} = (-2\overline{i} - y\overline{i} - 3)$
$ AC = \int 1^{2} + 2^{2} + 2^{2} = \int 9 = 3$
$ \overrightarrow{AB} \times \overrightarrow{AC} = \sqrt{2^2 + y^2 + 3^2} = \sqrt{29}$
$AB \cdot AC = -1 \cdot 0 - 3 \cdot 2 - 2 \cdot 4 = -14$
$COS \varphi = \frac{AB \cdot AC}{ \overline{AB} \cdot AC } = -\frac{14}{5 \cdot 3} = -\frac{14}{75}$
Bermojon 3 AB u 5 AC unerom
ogunansbyro grung => ux aquas 6 : 6
parpabiena no duccennquice
yma 4 6 = (0;-9; 12)+ (-5;10;-10) =
The un becommon Concomban:
Sibile 2 AB x AC = 2 /29
826 2 [70]



=) A(0:7) B(-2:3) C(7:24) [(7:78) AC: $\frac{\chi}{7} = \frac{9-7}{17}$ um $\frac{\chi}{7} = \frac{9-7}{17}$ BC: $\frac{\chi+2}{9} = \frac{y-3}{21}$ um $\frac{\chi+2}{9} = \frac{y-3}{15}$ e: [x+y-2=0] A(1;0;-1) B(-1;2;1)Tra = (1; 1; -1) - bennog nopular 1 mock. n = (3; -7; 3)-benner nommoun 2 mock. $\overline{V} = \overline{n}_{\perp} \times \overline{n}_{\beta} = \begin{vmatrix} 1 & 1 & 1 \\ 1 & 1 & -1 \\ 3 & -7 & 3 \end{vmatrix} = 1 \begin{vmatrix} 1 & -7 \\ -7 & 3 \end{vmatrix} - \frac{1}{3} \begin{vmatrix} 1 & -1 \\ 3 & 3 \end{vmatrix} + \frac{1}{3} \begin{vmatrix} 1 & 1 \\ 3 & -7 \end{vmatrix} = \frac{1}{3} \begin{vmatrix} 1 & 1 \\ -7 & 3 \end{vmatrix} + \frac{1}{3} \begin{vmatrix} 1 & 1 \\ -7 & 3 \end{vmatrix} = \frac{1}{3} \begin{vmatrix} 1 & 1 \\ -7 & 3 \end{vmatrix} = \frac{1}{3} \begin{vmatrix} 1 & 1 \\ -7 & 3 \end{vmatrix} + \frac{1}{3} \begin{vmatrix} 1 & 1 \\ -7 & 3 \end{vmatrix} = \frac{1}{3$ + K | 3 -7 | = -4 i -6 j -10K = (-4 i -6: -10) - namalianaupur benman manin l Nation kanyo-nudigo morny M npunaquemanyo morion E JM (0; y; Z) Itagemalin b incmery (y-z=0 (-7y+32=1) (=) (z=-2,75) (z=-2,75)

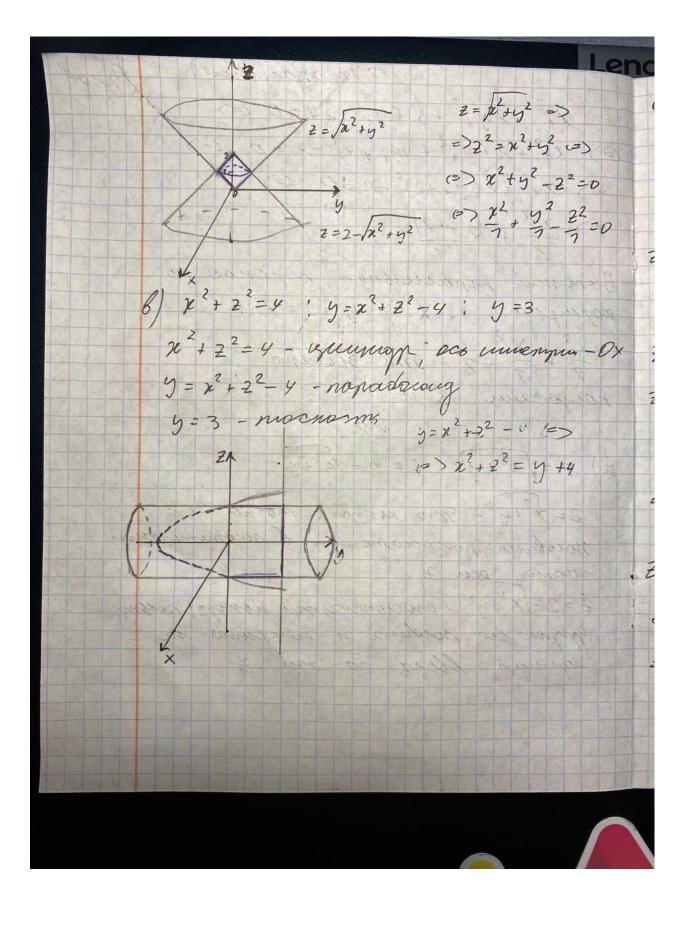
V5 (npagoimens) april =) M(0; -2,75;-2,75) Ee Zanuvien yp-ul njamon l, c nang. benn v. l: 2 = y + 2, 75 = 7 +2, 75 IT El uchanos pobnogojamennos em 4 à B] Zy = t : bupazun ecmalonne коероринато: $\frac{t}{-y} = \frac{y+2, +5}{-6} = 3t = 2y+5, 5(2) y = 7,5t-2, +5$ t = 2+2,75 (3) 5t=22+5,5 (3) 2=2,5t-2,75 AT = (t-1; 1, St -2.75; 2.5t-7,75) => BT = (t + 1; 1, 5t - 4, 75; 2, 5t - 3, 75) $= \frac{1}{AT} = BT = (t - 1) + (1, 5t - 2, 75) + (2, 5t - 7, 75) =$ = (++7) + (1,5+ -4,75)+(2,5+ -3,75) (=) (=) 9,5+2-19 t +17,625 = 9,5t2-31+ +37,625 (=) E) 12t = 26 (=) t= 13 => y= = = ; == 8 =>

Hox nax genembumerana oco uneplea uenum na Ox, a yenny 6 navare koopginam, mo le ypue uneem nononurecum bug: $\frac{x^2}{a^2} - \frac{y^2}{7^2} = 7$ acummoma unepoloro uneem ulgypourin bug: y= t & x $2 = \frac{C}{a} = \sqrt{1 + \frac{B^2}{a^2}}$ $2 = \frac{C}{a} = \sqrt{1 + \frac{B^2}{a^2}}$ => ynoboù uszgo. K=+6 m. K. 2 = 2K (=) /1+ 62 = 26 m. K. M (3; -1) & reproposer => => \frac{9}{a^2} - \frac{1}{6}^2 = 1 (ocmaber ucmeny 1/1+ 6 = 26 26 >0 (1+ 62 = 482 2 - 72 = 7 (a2 - 72 27 $(2)\frac{36^{2}}{a^{2}} = 7$ $(2)\frac{36^{2}}{a^{2}} = 7$ $(3)\frac{9}{a^{2}} = 7$ $(3)\frac{9}{36^{2}} = 7$ $(3)\frac{9}{36^{2}} = 7$ $(4)\frac{9}{36^{2}} = 7$

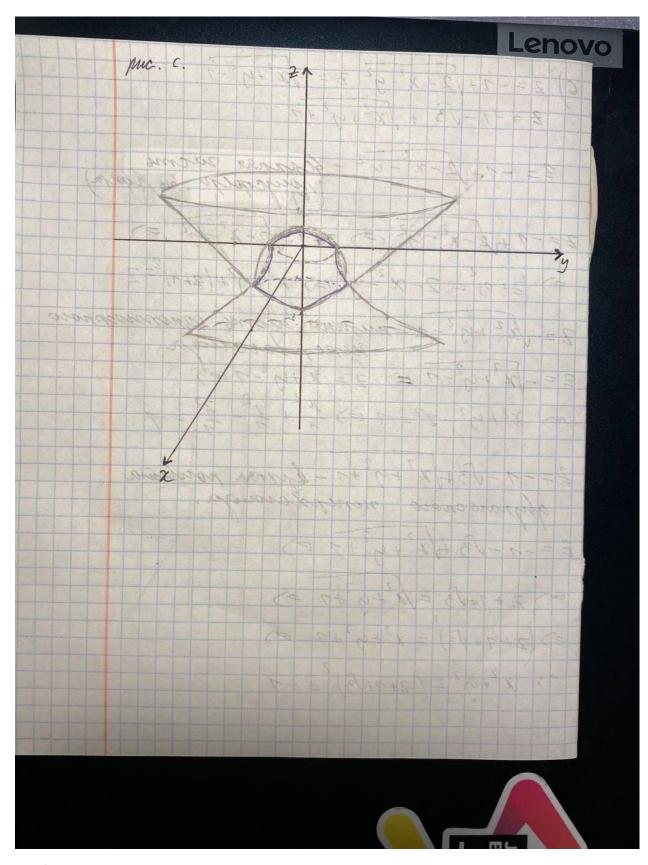
 $\begin{pmatrix} a^2 = 3b^2 \\ \frac{2}{b^2} = 7 \end{pmatrix} = \begin{pmatrix} a^2 = 3b^2 \\ 6 = \sqrt{2} \end{pmatrix} = \begin{pmatrix} a = \sqrt{6} \\ b = \sqrt{2} \end{pmatrix} =$ => ypux runepdom: $\chi^2 - y^2 = 1$ naugen represence unepoloro c enp x²+y²=10:

Lenovo 5x2+5y2-8xy-18 52x+18 52y+27=8 Bonanne robonom ocen no populyion: x= x, cost-y, sind y= x, sin + + 4, cos 2 5/2,2052 L-28,4,605 25/12 +4,2 sin2)+ +5(x, sin2 +2x, y, sin2cosd+y, 20052) --8 (x,2 sind cosd + x, y, (cos2 - sin2) --y,2 sindcosd) -18 V2 (1,005d-y, 5ind) + +18 /2 (x, sind +y, 1052) +27=0 I puporbneen & mjen no zapouguenm non x,y, -10x1 4, cosd sind + 10x14, sind cosd --8 (105 2-5in2) x1 y2 = = -8((0522-5in2)x,97 -8(cos² L - sin² L = 0 (=) ynor nobonoma (=) cos² L - sin² L = 0 (=) tg² L = 7 =) => tg2 = 7 => sin2 = 2 ; cos2 = 2 Trogemoleur b yp-ue: 5x2+5y2+5712+5y2-411+442-1817+1841 + 1881 + 1841 + 27 = 0 (=)

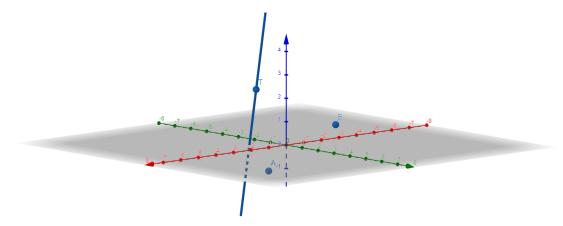
=) $\chi_1^2 + 9y_1^2 + 36y_1 + 27 = 0 (=)$ griob (=) 212+8 (y,2+4y,+4)-9=0 (=) 6) x, 2 + 9 (y, +2) 2-9 =0 (=) T) 2,2 (1+2) = 7 Bonomul nanowiewour repense no populyrou x = x ; y, +2 = y: $\frac{\chi^2}{9} + \frac{\chi^2}{7} = 7$ 3mm rume c noupreur 3 u 1 a) $z = \sqrt{x^2 + y^2}$ $z = 2 - \sqrt{x^2 + y^2}$ 2= pl2+y2 - 3mo konge, a morner lio поговина, посстоготенные в поготительный rocom ou z $z=2-\sqrt{x^2+y^2}$ - anaronvinorie nomye, notono gymas ero norduna u carecemas na 2 egununa bbepa no son 2



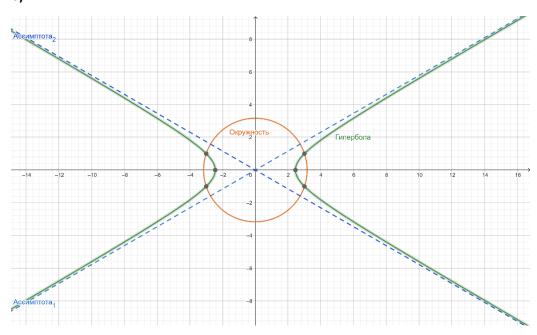
c) 2 = - 1 + /2 - x2 - y2 2 = - /22 + y2 - 1 Z=-7-53 + 5x2+y2+7 Z=-1+12-n2-12-naurcopena (bepare rocomo uposo) 2=-1+12-2-12 (=) 2+1=12-2-12 => => (2+1) = 2-x2-y2 (=) x2+y2+(2+1)2=2 ex == \sqrt{z} + y^2 - 1 - numas vacras ognonoromoro
unenderanda $z = -\sqrt{x^2 + y^2 - 7} = 2^2 = x^2 + y^2 - 7 = 3$ ~ x2+y2-22=7 (=) 7 + 52 - 32 = 7 Z=-1-53+\x2+92+1-kjana porobena gbyporocnoro nenepoloronga. · Z = -1 - 53 +/22+42+ => 67 Z + 1+ \(\sigma \) = \(\lambda^2 + y^2 + 7 = \sigma^2 \) =) $(2+7+\sqrt{3}) = \chi^2 + y^2 + 7$ =) ~ x2+y2-(2+7+J3)=-7



Изображения к номерам 5, 6, 7:



6)



7)

