





2 cemento les

$$\frac{x^{2}}{\alpha^{2}} + \frac{y^{2}}{6^{2}} - \frac{z^{2}}{c^{2}} = 1$$

$$\frac{x^{2}}{\alpha^{2}} - (-\frac{z^{2}}{c^{2}} - \frac{y^{2}}{6^{2}}) = (\frac{z}{\alpha} - \frac{y}{6})(\frac{z}{\alpha} + \frac{y}{6})$$

$$\frac{x^{2}}{6^{2}} - (-\frac{z^{2}}{c^{2}} - \frac{y^{2}}{6^{2}}) = (\frac{z}{\alpha} - \frac{y}{6})(\frac{z}{\alpha} + \frac{y}{6})$$

$$(\frac{x}{\alpha} - 1)(\frac{x}{\alpha} + 1) = (\frac{z}{\alpha} - \frac{y}{6})(\frac{z}{\alpha} + \frac{y}{6})$$

$$(\frac{x}{\alpha} - 1)(\frac{z}{\alpha} + 1) = (\frac{z}{\alpha} - \frac{y}{6})(\frac{z}{\alpha} + \frac{y}{6})$$

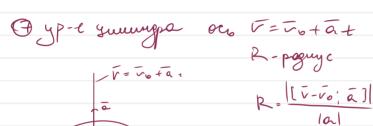
2 claumication
$$\begin{cases} \frac{x}{\alpha} + 1 = \frac{1}{c} \left(\frac{2}{c} + \frac{3}{2} \right) \\ \frac{x}{\alpha} + 1 = \frac{1}{c} \left(\frac{2}{c} + \frac{3}{2} \right) \end{cases}$$

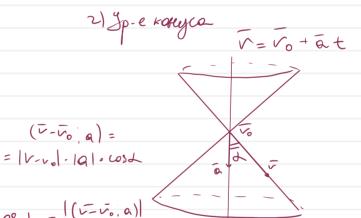
Therefore

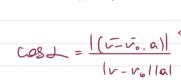
$$\begin{cases} \frac{x}{\alpha} - (-x(\frac{2}{c} + \frac{3}{2})) \\ \frac{x}{\alpha} + 1 = \frac{1}{c} \left(\frac{2}{c} - \frac{3}{2} \right) \end{cases}$$

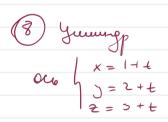


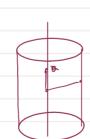
x= 3+ g = 4 t Z = 10 t











20.11. Apparente Res unentral byzamognoznovnoe coost TM-TU

numerhoe

* 3 avera Sazura: $\begin{pmatrix} x \\ y \end{pmatrix} = S \begin{pmatrix} x' \\ y' \end{pmatrix}$

3. Coxport mayages

(S)
$$\rightarrow$$
 (S') $\frac{5}{5} = |\Delta| = |\Delta| 6$

6. Cycy eg. ago. npeols repelog Δ Δ

$$\int x = Jx - 9 + 1$$

$$y' = 4x + 29 + 4$$

7.2. Konsturpool of Form
$$(0',2)$$
 $0=7x-y+1$ $(7-1)-1$ $2=4x+2y+4$ $(2-1)-1$ $x=-\frac{2}{3}$, $y=-\frac{5}{3}$

$$x' = \alpha x + l y + C$$

$$g' = J \times t e y + f$$

$$\overline{AB} = (x_1 - x_1, y_2 - y_1)$$

$$x'_1 = \alpha x_1 + l y_1 + C$$

$$x'_2 = \alpha x_2 + l y_2 + C$$

$$x'_1 = \alpha (x_2 - x_1) + l (y_2 - y_1)$$
anouncement $y'_2 - y'_1$

$$AB(x'_1y) \rightarrow (\alpha x + b y'_1 + x + l y'_1)$$

1 3. how of some betropa (1:1)

$$A = (0,0); B = (1,1)$$
 $Q(B) = (7,0) - ob T.B$
 $Q(A) = (1,4) - ob T.A$
 $AB' = (6,6)$

1.4.
$$\frac{1}{9} = 0$$
 $2x' - y' - 6 = 0$
 $2(7x - y + 1) - (4x + 2y + 4) - 6 = 0$
 $6(0x - 4y - 8 = 0)$
 $5x - 2y - 4 = 0$

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1.6. Flower heroghenkung trousu
$$y(x^*; y^*) = (x^*; y^*) \quad \text{ux her y colours} \\
(x^* = 7x^* - 9^* + 1) \quad (6x^* - 9^* = -1) \quad x^* = -\frac{1}{2} \\
y^* = 4x^* + 2y^* + 4 \quad (4x^* + y^* = -4) \quad y^* = -2$$

one Sizatreme Trapez com 6 cisa.

Ax'+By'+C=0 & gourner hobrours Howth unb up 6x = 2x+39 19'= - y A(2x+3y)+B(-y)+(=0) (>> x(ZA)+y(3A-B)+(=0)A = 1 A = 0 - herrorman B = 0 C + R C = 0 $A = 2 \Rightarrow x + y = 0$ A = 3 λ -mosop. rponopy. $C = \lambda C$ $2A = \lambda A$ com $3A-B = \lambda B$ C=0=A \ \ \ \ \ \ \ \ \ \ \ = -1 => \ \ \ \ \ \ = 0 A,B-z hengberkhue T. => AB-kengberth programa A(x, y,); B(x2; y2) AB: $|x = x_1 + (x_2 - x_1) + y = y_1 + (y_2 - y_1) +$ U(x, y, y) = (x, y, y) $((x_2, y_2) = (x_2, y_2)$ $Q(AB) = \begin{cases} Q(x) = x_1 + (x_2 - x_1) + \\ Q(y) = y_1 + (y_2 - y_1) + \end{cases}$ (4) A(1:0) B(0:1) C(1:1) A'(-3;5) B'=(4;-3) C'(0;0) Repelberte 3 Torse n = Repelog Form n beropole h x'= ax+ by+ c y'= dx+ by+ c A(1',0) AB(-1',1) AC(0',1) Seg Kausans A'(-3;s) A'B' = (7!-8)A'c' = (3;-s)(7 = 0+6 | 3 = 6 -3=-4.1-C >> C=1 1 a = -4 5=3+1 => f=2 (-8 = -)te |-5 = e10=-5 J=3 $| x' = -4 \times +3 + 1$ $| x' = 3 \times -5 + 2$ Molumber Agropumenx resologobours 1. Roberson 2. Colour (1/ repense) 3. Osportetue Cxare /pacroxenue 1. Noboper may boropye (xo; yo)

Furrown evaluable. Repairle
$$(2d+5f)(2f+5d)(-11d+10f)(-11f-10d)=0$$

$$(1-1) ; (1-1) - gla byanust berriepa$$

$$(1+1) ; (1-1) - gla byanust berriepa$$

$$(3+1) (-3+21)$$

Yran robopora
$$\cos \varphi = \frac{(1;1)\cdot(7;-1)}{\sqrt{2}\sqrt{50}} = \frac{6}{10} = \frac{2}{5} \quad \text{fin } \psi = \frac{6}{5} \quad \text{Nobopor 16 rose uplure}$$

(1'1)
$$\int_{2} \rightarrow \int_{50}$$
 $\int_{z=5}$ parroxenne byon $\lambda_{z=15}$ - realism cres.

$$\begin{pmatrix} x \\ y' \end{pmatrix} = \begin{pmatrix} 5 & 0 \\ 0 & 15 \end{pmatrix} \begin{pmatrix} \frac{2}{5} & -\frac{1}{5} \\ -\frac{1}{5} & \frac{3}{5} \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix}$$

$$\text{Robupus} \qquad \text{Robupus} \qquad 0$$