$$\left(\begin{array}{c}
10 \\
10 \\
10
\end{array}\right) \left(\begin{array}{c}
0 \\
-10
\end{array}\right) = \left(\begin{array}{c}
0 \\
0 \\
0
\end{array}\right) = \left(\begin{array}{c}
0 \\
0 \\
0
\end{array}\right)$$

О 12-за отриновки дигури на градине
если не уназать разшер figsize координатная
сетка будет етандартно 6.4 х 4.8, в спутае устоновии
квадратного разшера 6 х 6 гетна выровичетия и про премия
будут выглиедеть 1

$$3 x^{2} + y^{2} = R^{2}$$

$$1) x = R^{2} - x^{2}$$

$$y^{2} = \sqrt{\frac{x^{2}}{a^{2}}} + \sqrt{\frac{x^{2}}{b^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{a^{2}}} + \sqrt{\frac{x^{2}}{b^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{a^{2}}} + \sqrt{\frac{x^{2}}{b^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{b^{2}}} + \sqrt{\frac{x^{2}}{a^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{b^{2}}} + \sqrt{\frac{x^{2}}{a^{2}}} = \sqrt{\frac{x^{2}}{b^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{b^{2}}} + \sqrt{\frac{x^{2}}{a^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{b^{2}}} + \sqrt{\frac{x^{2}}{a^{2}}} = 1$$

$$y^{2} = \sqrt{\frac{x^{2}}{b^{2}}} + \sqrt{\frac{x^{2}}{a^{2}}} = 1$$

(9) A_{x} + by + CZ + D=0 1) eenu D=0 rnoenoems sygem npoxobur repej (0,0,0) $A_{x} + B_{y} + C_{z} = 0$ sygem napannenska u npoxogums repej 0

2)
$$A_1 \times + B_1 y + C_1 2 + D_1 = 0$$

remain $\frac{x - x_1}{x_2 - x_1} = \frac{y - y_1}{y_2 - y_1} = \frac{z - z_1}{z_2 - z_1}$

yp-e pre mon gam morpguneme 2-x moren (x,y, z) u (x,,y,, z)
rpunagnemansux npomoù, e enu npu nogemanobne marenni b yp-e
rmonognu znarenne gne mornu 1 u mornu 2 bydym patnu, npomane
nax ogumas bracencemes

② myerns merus
$$M_1(x_1, y_1) u M_2(x_2, y_2)$$
 mpeospayyromus $b M_1(x_1, y_1') u M_2(x_1, x_2')$
 $X^{'2}a_{11} X + a_{12}y_1 + a_{13}$ $a_{11}^2 + a_{21}^2 = 1$ $a_{11}a_{12} + a_{21}a_{22} = 0$
 $Y^{'2} = a_{21} X + a_{22}y_1 + a_{23}$ $a_{12}^2 + a_{22}^2 = 1$

$$\begin{aligned} & \left[M_{1}^{1} M_{2}^{1} \right]^{2} = \left[X_{2}^{1} - X_{1}^{1} \right]^{2} + \left[Y_{2}^{1} - Y_{1}^{1} \right] = \left[\alpha_{11} X_{2} + \alpha_{12} y_{2} + \alpha_{13} - \alpha_{11} X_{1} - \alpha_{12} y_{1} - \alpha_{13}^{2} \right]^{2} \\ & + \left[\alpha_{21} X_{2} + \alpha_{22} y_{2} + \alpha_{23} - \alpha_{21} X_{1} - \alpha_{22} y_{1} - \alpha_{23}^{2} \right]^{2} = \left[\alpha_{11} (X_{2} - X_{1}) + \alpha_{12} (y_{2} - y_{3}) \right]^{2} + \\ & + \left[\alpha_{21} (X_{2} - X_{1}) + \alpha_{22} (y_{2} - y_{3}) \right]^{2} = \alpha_{11}^{2} (X_{2} - X_{1})^{2} + 2 \alpha_{11} \alpha_{12} (X_{2} - X_{1}) (y_{2} - y_{3}) + \alpha_{22}^{2} (y_{2} - y_{3}) + \\ & + \alpha_{12}^{2} (y_{2} - y_{3})^{2} + \alpha_{21}^{2} (X_{2} - X_{1})^{2} + 2 \alpha_{21} \alpha_{22} (X_{2} - X_{1}) (y_{2} - y_{3}) + \alpha_{22}^{2} (y_{2} - y_{3}) = \\ & = (X_{2} - X_{1})^{2} (\alpha_{11} + \alpha_{21}^{2}) + (y_{2} - y_{3})^{2} (\alpha_{12} + \alpha_{22}^{2}) + (X_{2} - X_{1}) (y_{2} - y_{3})^{2} (\alpha_{11} \alpha_{12} + \alpha_{21} \alpha_{22}) = \\ & (X_{2} - X_{1})^{2} + (y_{2} - y_{3})^{2} = \left[M_{1} M_{2} \right]^{2} \end{aligned}$$

(4)
$$y = x^2 - 1$$
, $e^{x}p(x) + x(1 - y) = 1$
 $e^{x}p(x) + x - x y = 1$
 $-xy = 1 - e^{x}p(x) - x$
 $y = e^{x}p(x) + x - 1$

