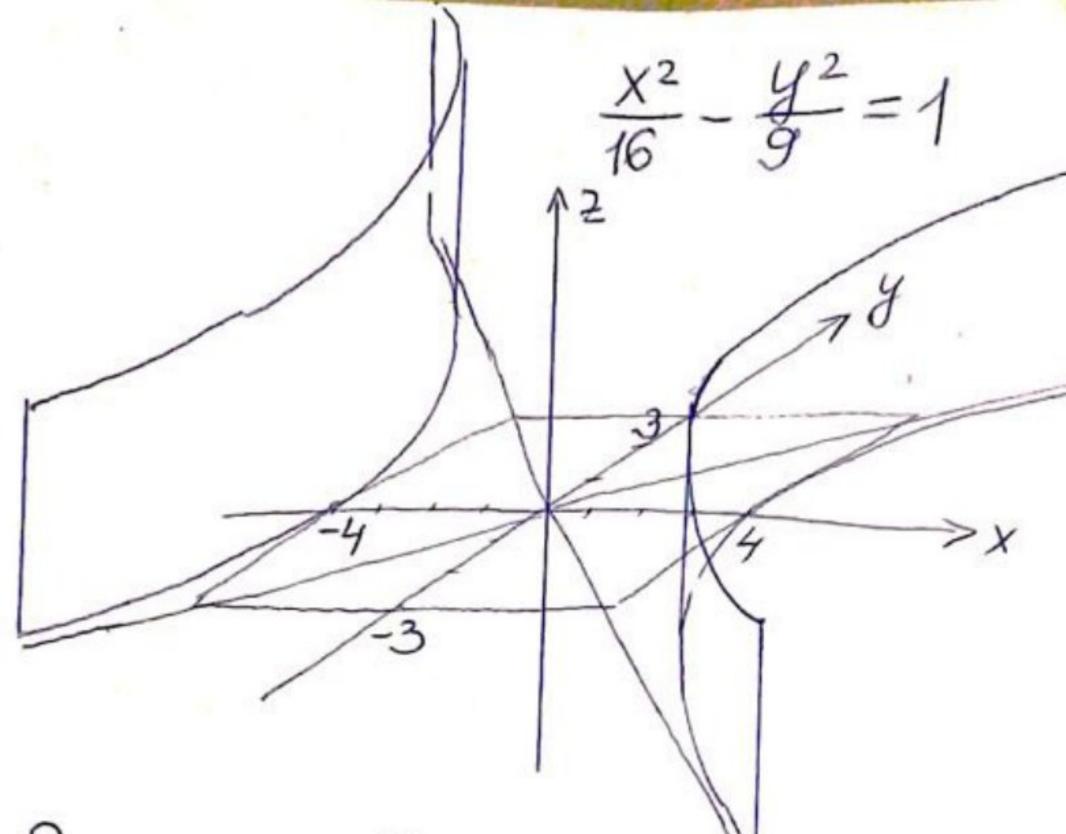
Banerie 11. TokepxHOCTU 2-20 nopegra Il reux 9 renob els yeersungpureckeense В подходищей примода системих пов-гей хоординат ур-я ушинарии пов-гей morgs nouero bug: F/4,2)=0. F(x,y) = 0 |F(x,z) = 0x-cuodol, (y-cuodoe) (z-cenoose) F(4,2)=C Hanporbul vougail gurungpa N2.393 yus ungpureckul поверхності заданные y2+22=4 Yunnegp. nob-26 пересекает ns. 042 no OKPYXKOCILI e yn-em y2+22=4 In Insurreckuis yumungp



repeceraces
no run-1e
c yp-eeu

Это инерболический ушлиндр

D/3 I: N 2.395, 2.397

(naparepor) (a=4, b=3)

N2.372.

 $\frac{\chi^2}{9} + \frac{\chi^2}{4} + \frac{z^2}{25} = 1$ Yeranoburo run nob-ru u nocrpouro eé:

 $\frac{\chi^2}{3^2} + \frac{y^2}{2^2} + \frac{z^2}{5^2} = 1$ 350 211 uncoy9.

Thorku nepecerenue coalelle Koopg-7;

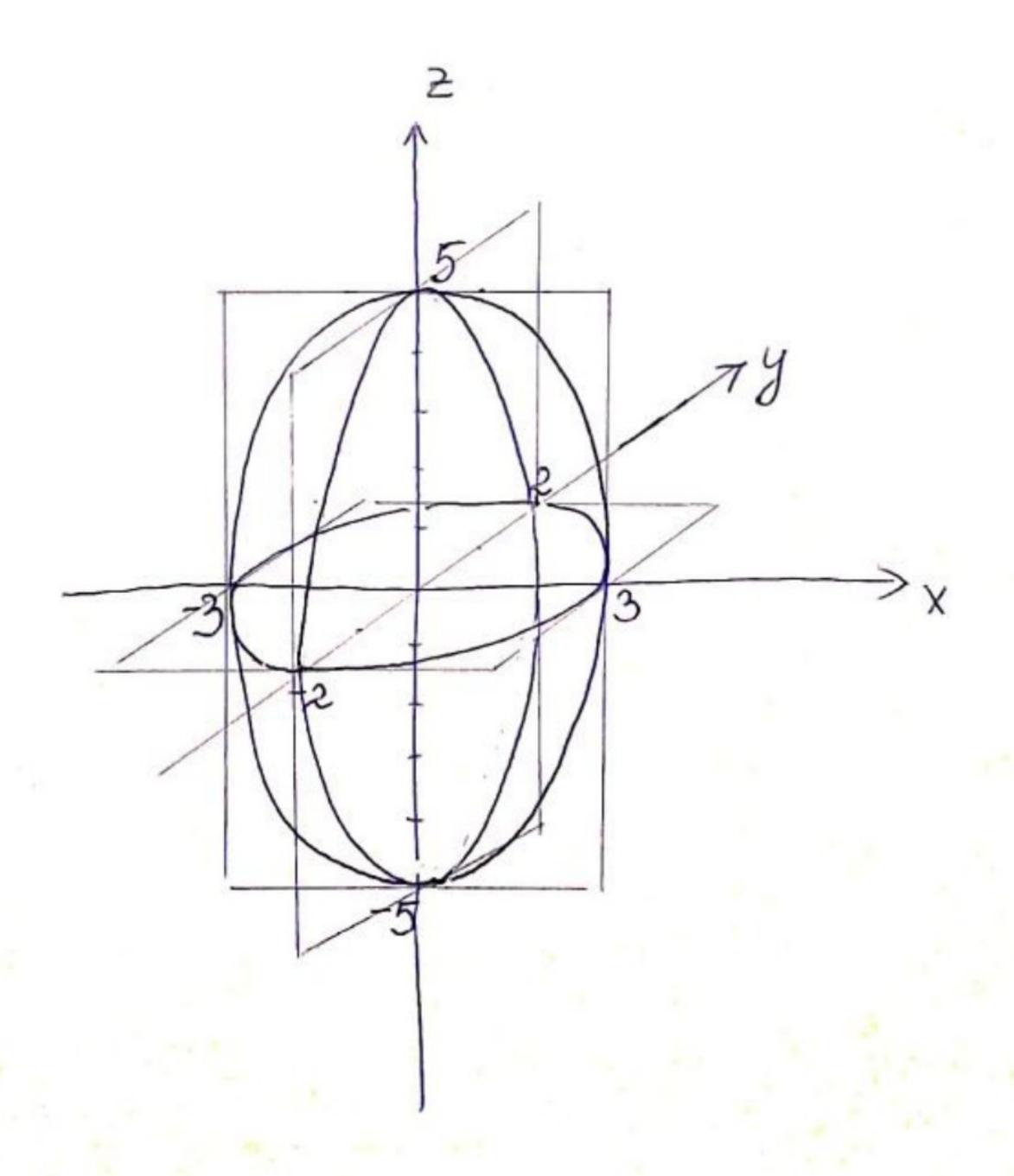
$$c O (y=0, 2=0) \frac{x^2}{3^2} = 1 \Rightarrow x = \pm 3$$

$$cOy(x=0, z=0)$$
 $\frac{y^2}{2^2}=1 \Rightarrow y=\pm 2$

$$c O_{Z}(x=0, y=0) \frac{2^{2}}{5^{2}} = 1 \Rightarrow Z = \pm 5$$

Пересегения с координатночии плоско-

c
$$O_{XY}(z=0)$$
 $\frac{x^2}{3^2} + \frac{y^2}{2^2} = 1$ 970
c $O_{XZ}(y=0)$ $\frac{x^2}{3^2} + \frac{z^2}{5^2} = 1$ 911 911 100
c $O_{YZ}(x=0)$ $\frac{y^2}{2^2} + \frac{z^2}{5^2} = 1$ 100

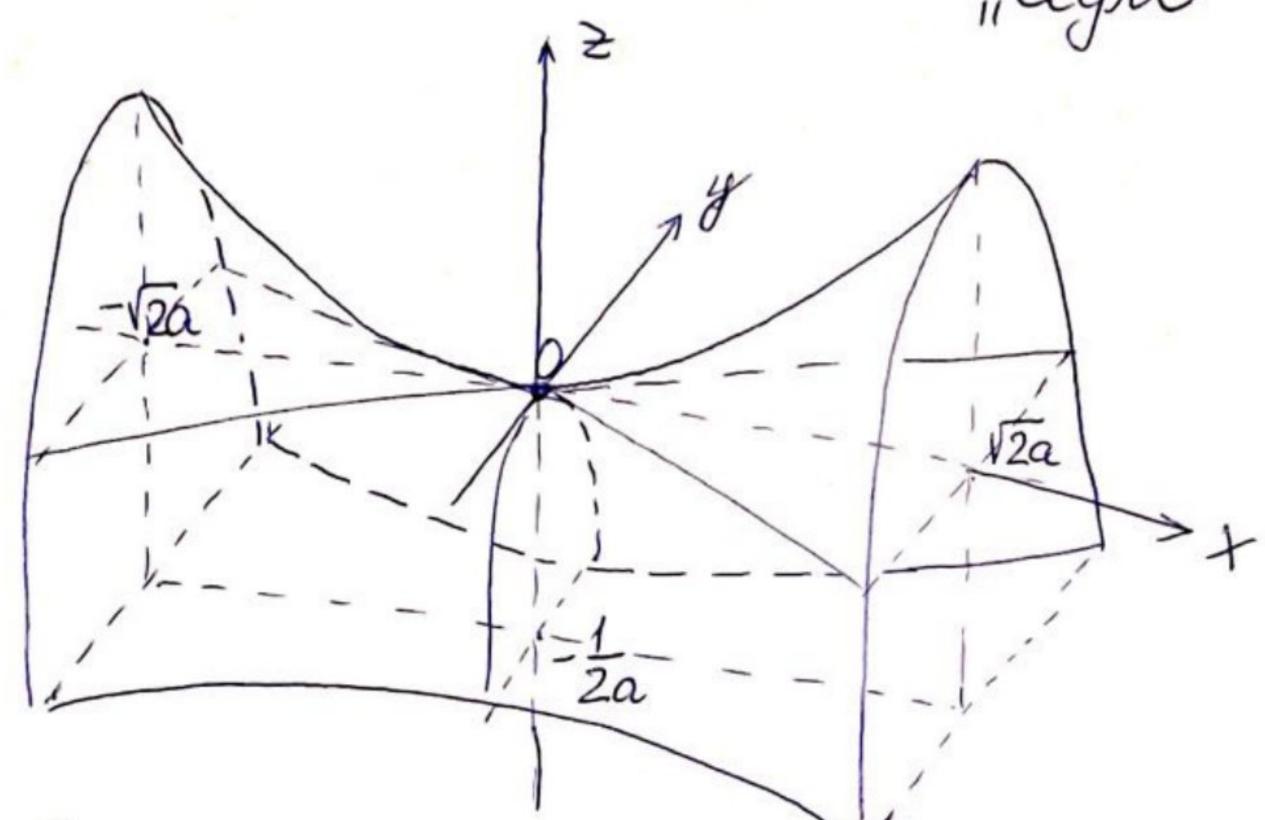


Merog cerenuer. uon. que bouecreenue Populos nob-as. $\chi^2-y^2=202$, Bowerub ren nob-re, pac papierne cerence, Hapucobab. Peruenue. Tryco à 70 Kpubar B cerency cerence X2-y2=0, T.e.

[X-y=0 neplecek.

[X+y=0 neplecek. (1) 1) Oxy: ==0 runepoora u z) $z = \pm \frac{1}{2a}$ confiex. reen-1a x2=2az (2) 1) Oxz: y=0 napadosa x2-2a=2az 2) y = ± \(\frac{1}{2}a cobunyana napadona $-y^2 = 2a = 3y^2 = 2az$ (3) 1) Oyz: X=0 $2a-y^2=2az=>$ $\Rightarrow y^2=-2a(z-1)$ 2) X=±1/2a napaoora

Fro runepouvereckelle napasonous



Разл. сегение инперь. параболоща июжно посен. в интернете.

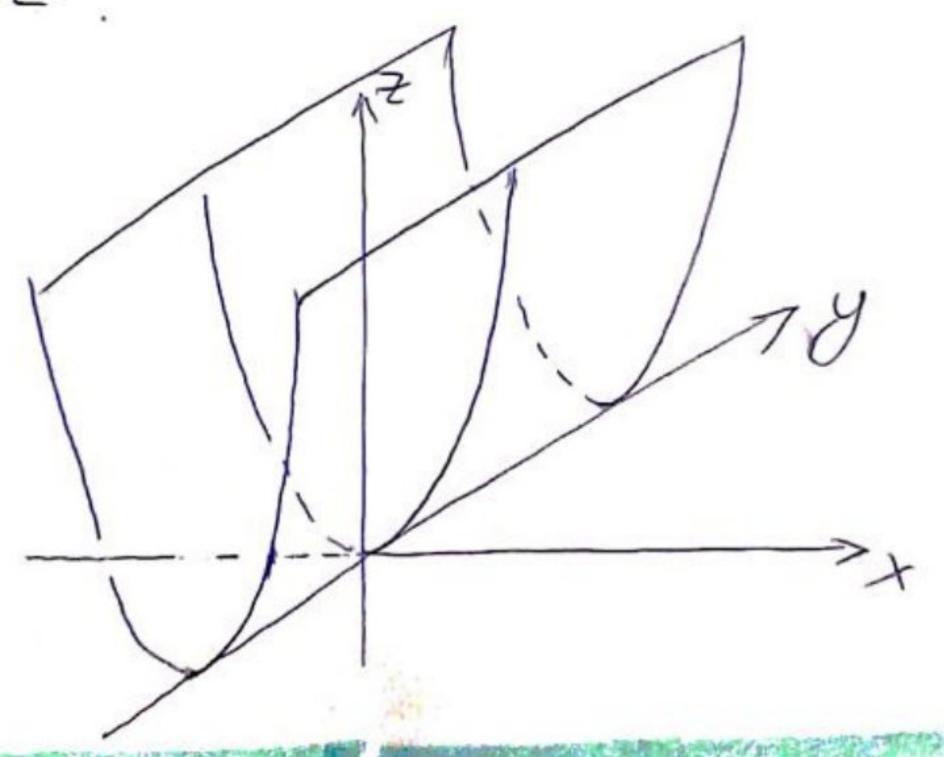
Tyco a < 0. Transpull "ceguo", ornaxerence orn. nr. Oxy (nr. z=0)

N2.379

 $\chi^2 = 2\alpha z$, $\alpha \neq 0$. Percence.

The cosephant Tombro gle replen. X, 2 => >50 yunungpur nob-16

Bce et cerenus mockocremus, naparrecent nr. Oxz eler. динаковыми параголамис урми $x^2 = 202$



DBIT: N2.374, 2.375, 2.380, 2.381, 2.382

Deal aco napadorou, paybernesses berbeeuer breeg.

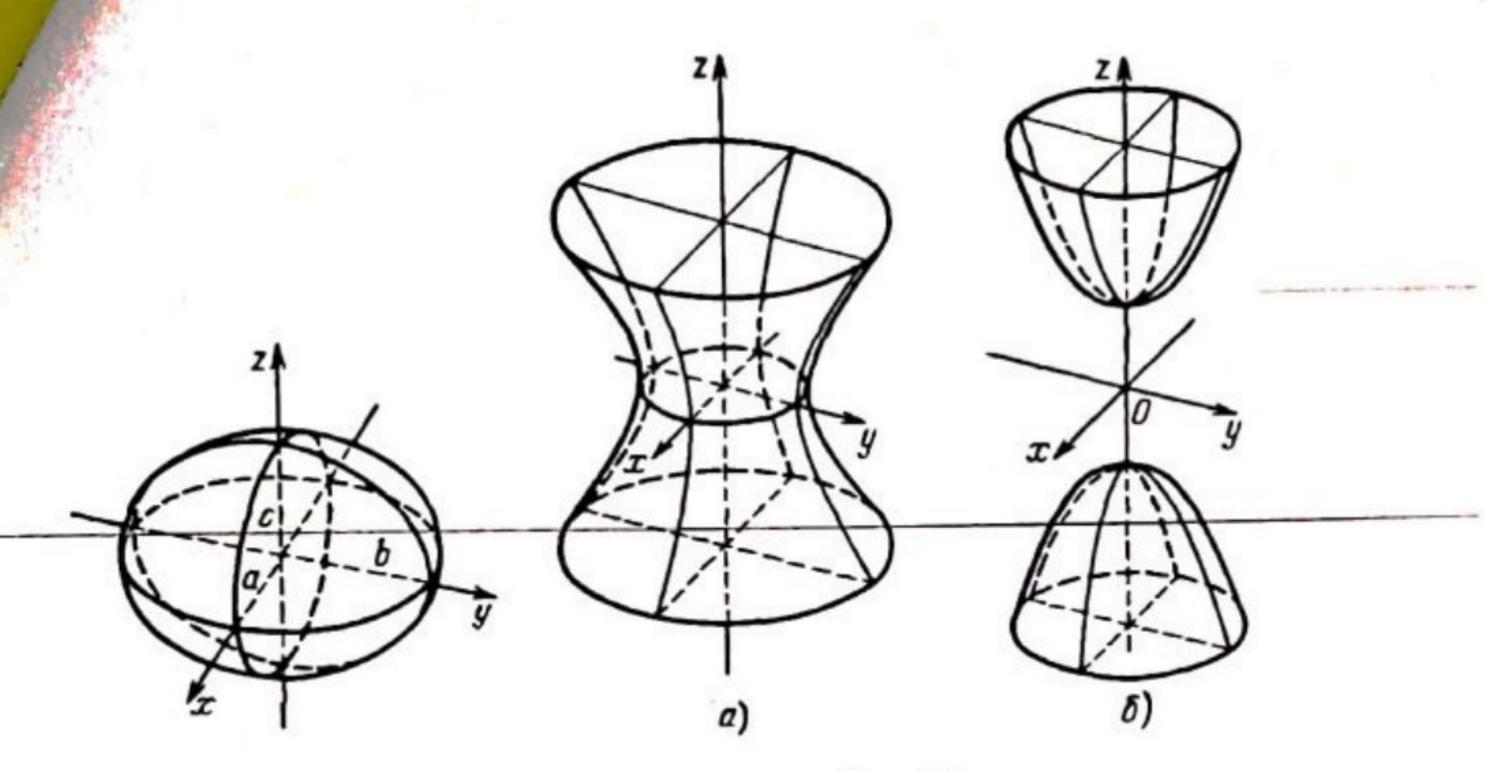


Рис. 29

Рис. 30

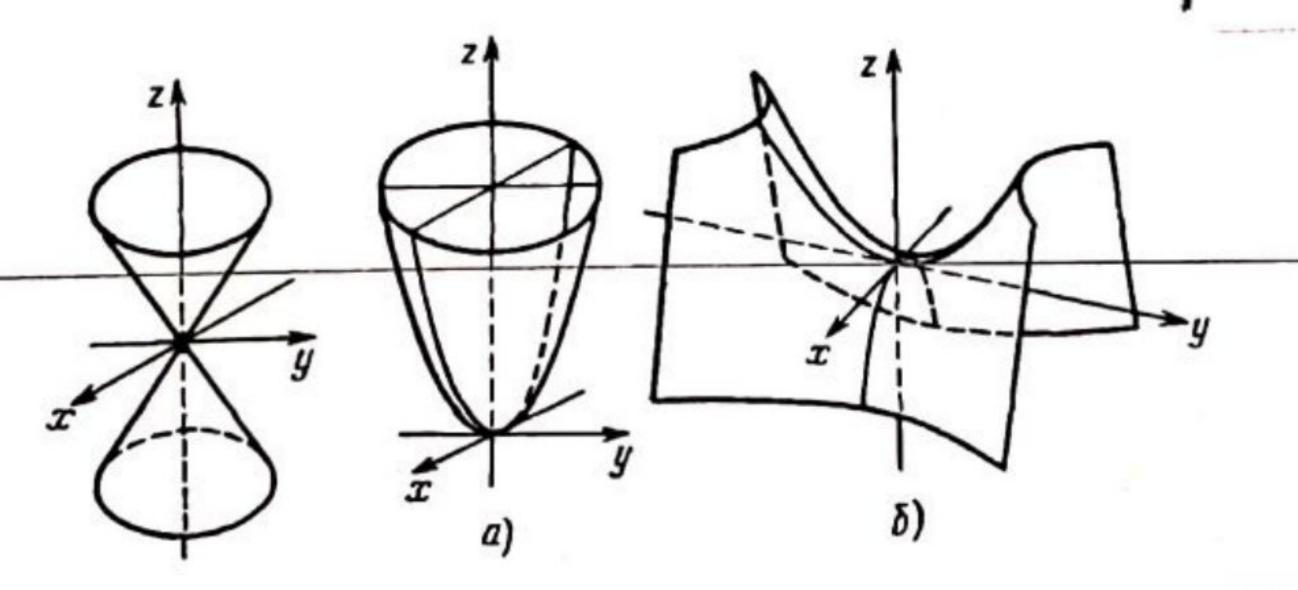


Рис. 31

Рис. 32

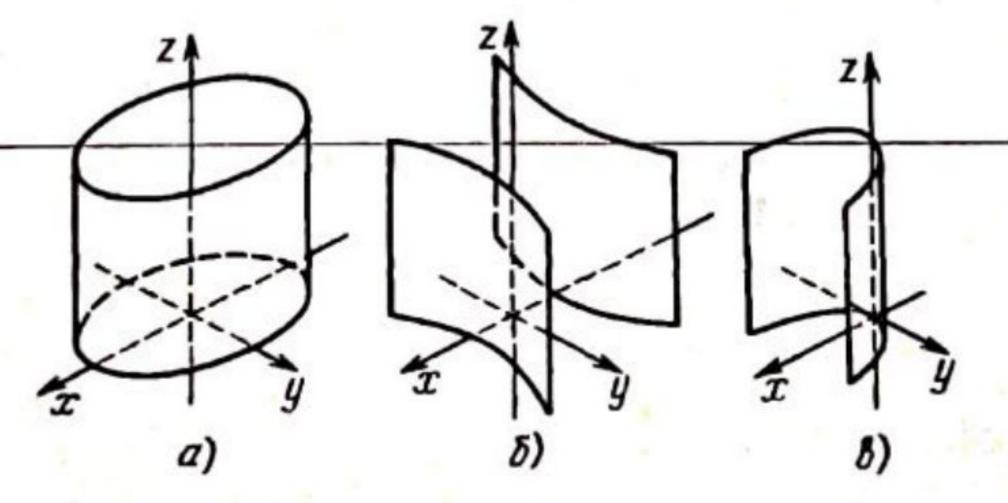
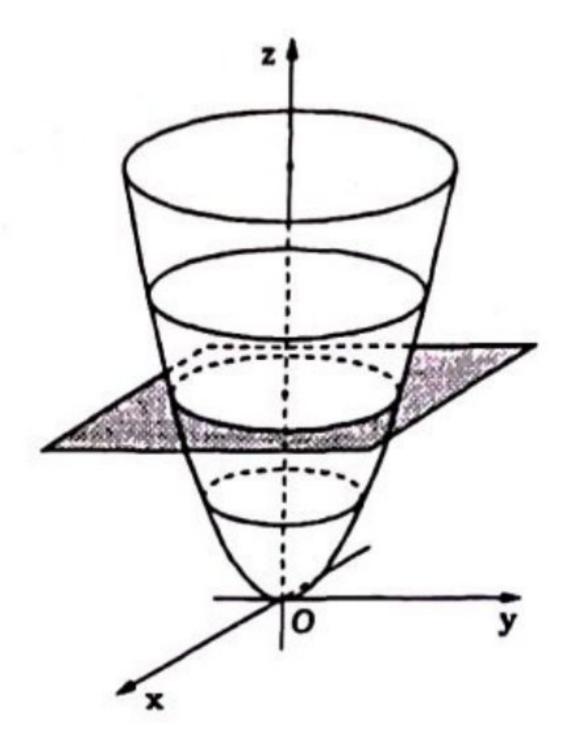
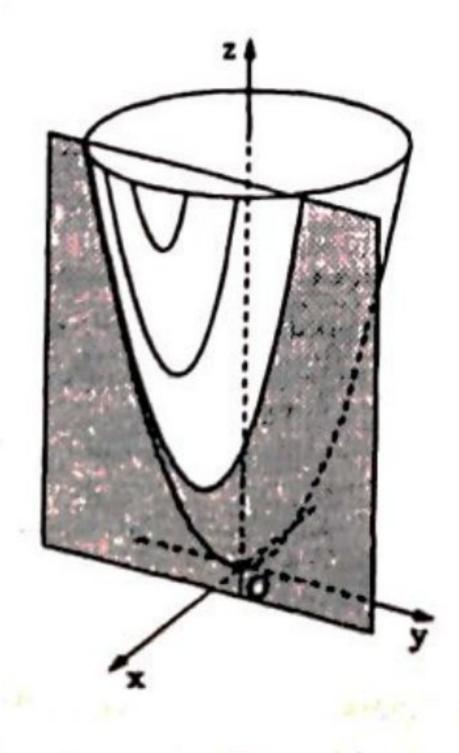


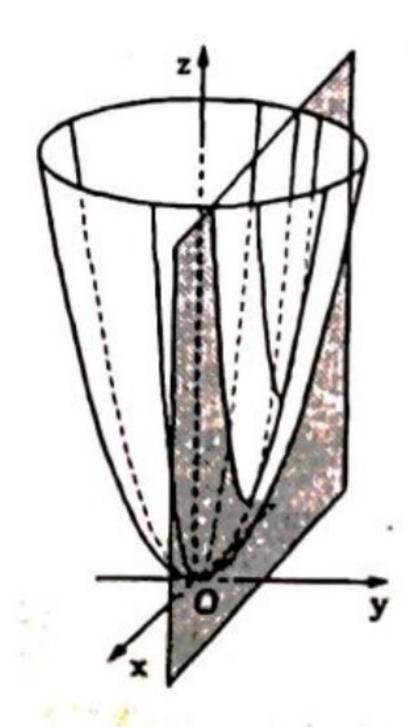
Рис. 33

106

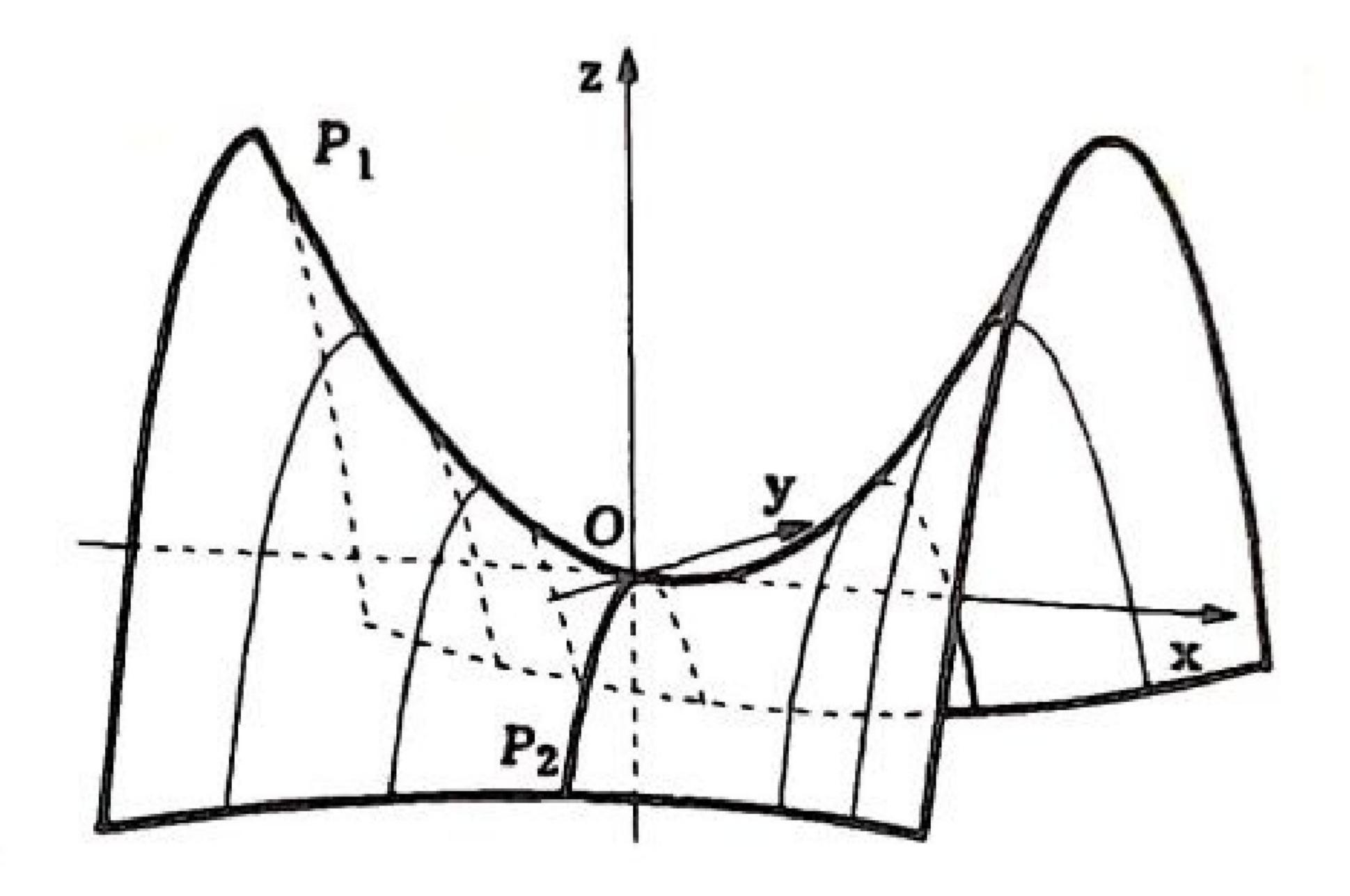


a





Puc. 12.16





Угодгоговка к Д/32 по АГ.

Тушвест ур-е пов-ти 2 пор. К каноническому виду, определить теп nob-re, nocquours éé.

$$x^2 - y^2 + 2^2 - 4x + 62 + 12 = 0$$

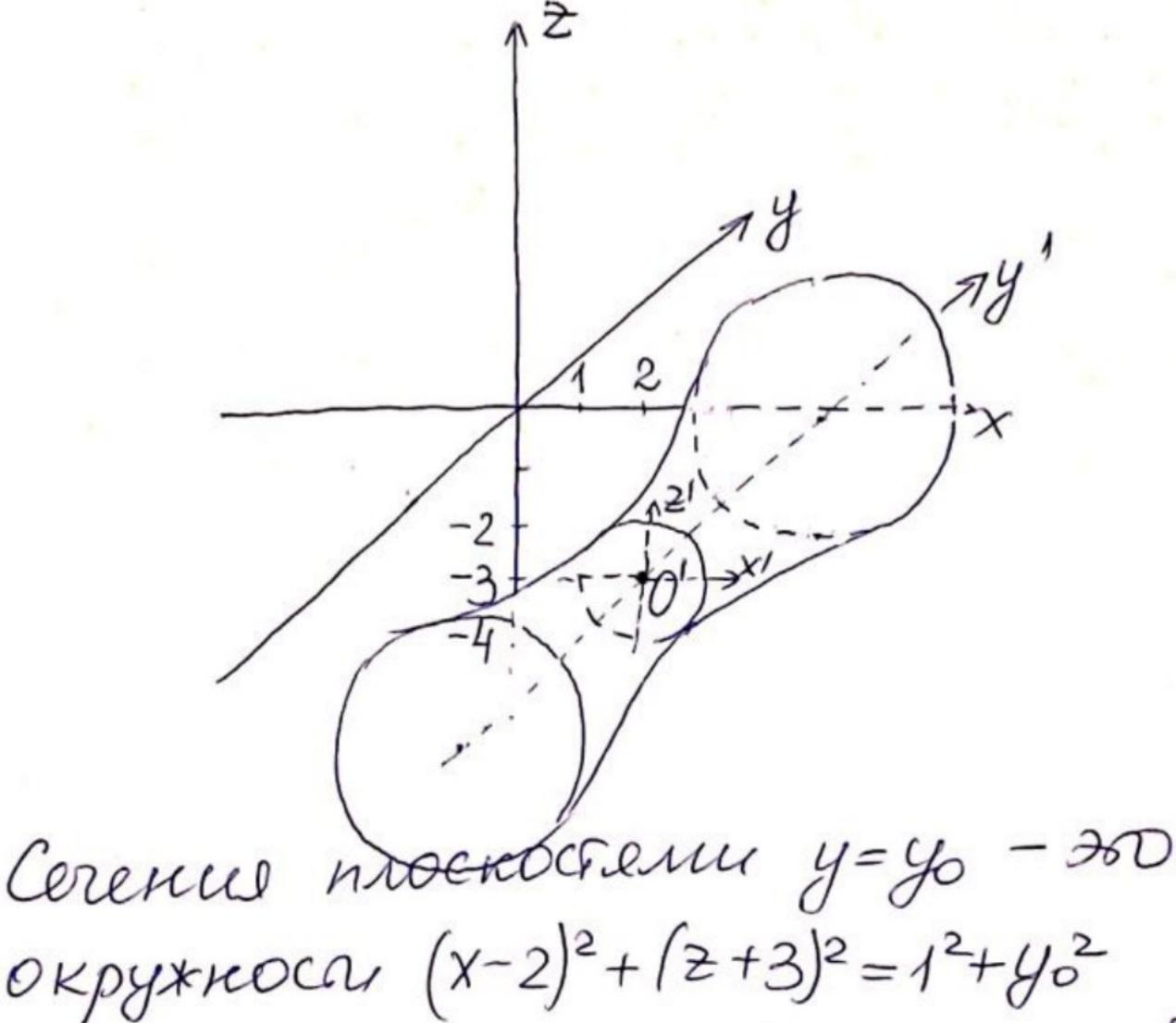
The He cogephice xy, yz, xz, x²y², z²
Borgennen nonnon KBappano : $(x^2-4x)-y^2+(2^2+62)+12=0$ $(x^2 - 4x + 4 - 4) - y^2 + (2^2 + 62 + 9 - 9) + 12 = 0$ $(x-2)^2$ - $y^2 + (2+3)^2 - 4-9+12 = 0$ $(x-2)^2 - y^2 + (2+3)^2 = 1$

200 ognonowocireous runepouloug; ero yeup gbuny Br. (2,0,-3)

Cerence nnockocom y=0 - 200 OKPY*KOCO (X-2)2+(2+3)2=1 c yenhour (2,0,3) u R = 1.

(Haz roprobog Finunc)





OKPY*KOCA $(X-2)^2 + (2+3)^2 = 1^2 + 40^2$ c tsempaum (2,-3, yo) u pag. R=V1+y2

Осью run-ga els. пресная fx=2 2=-3

(nepecerence 2 × nrockocree)

Manoneur.
$$y_{k-e}$$
: $x^{12}-y^{12}+z^{12}=1$
Theodr-e $x-x$ $\begin{cases} x'=x-2 & (x=x'+2) \\ y'=y & = (z=z'-3) \\ z'=z+3 & (z=z'-3) \end{cases}$

Freugenie ; oco Brang. O'y!



$$\frac{\text{Kareoneur. yp.-e.}}{x^{12} + \frac{2^{12}}{3^2}} = 1$$

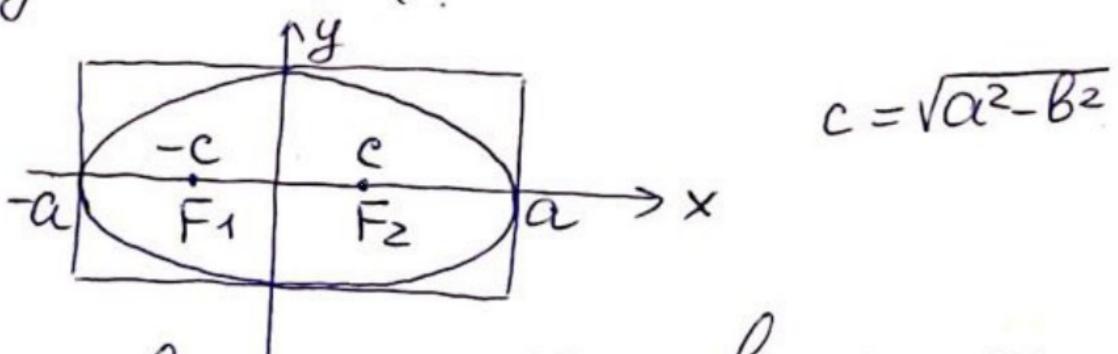
Typeoop-e K-F;

$$\begin{cases} x' = x - 2 \\ y' = y \end{cases} \Rightarrow \begin{cases} x = x' + 2 \\ y = y' \\ 2' = 2 - 3 \end{cases} \Rightarrow \begin{cases} y = y' \\ 2 = 2' + 3 \end{cases}$$

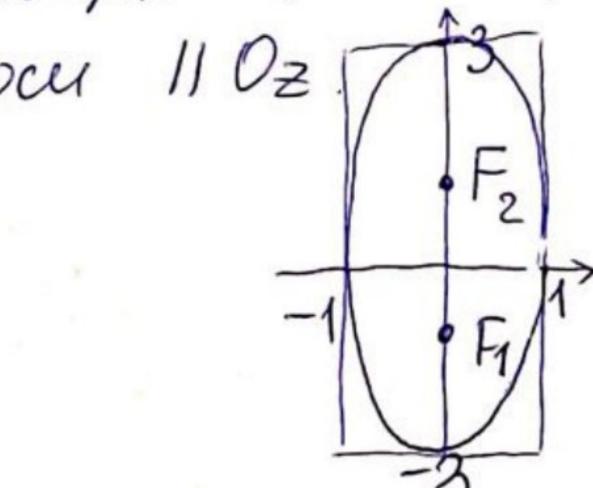
Обсухдение.

Канонит ур-е эллипса:

Его фокуст межет на бышей



Issunc B njeg. zagare Borrenys blepx" => ero porcycos nexas Ha



Bonpocu: 1) yel pac nocioxenor?

2) remy palen éé E

E? 1 e? 1 hapa

$$2x^2-4x-2+3=0$$

Pennenne. Yp-e ne coseptico nepen.y>
>>>>> yurungpur. nob-76.

He cosepxus xy, yz, xz, no cosepxus x.

Вогдении погной кваррат:

$$(2x^2-4x)-2+3=0$$

$$2(x^2-2x)-2+3=0$$

$$2(x^2-2x+1-1)-2+3=0$$

$$2(x-1)^2-2-2+3=0$$

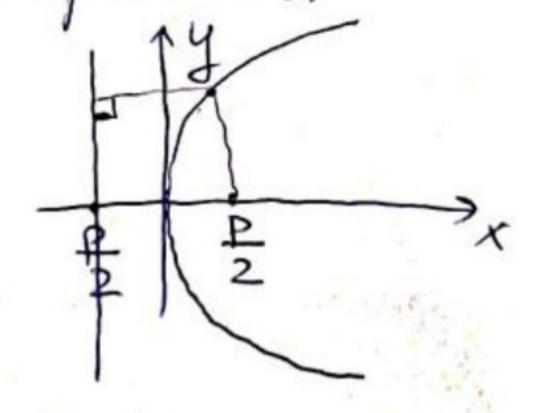
$$2(x-1)^2 = 2-1$$

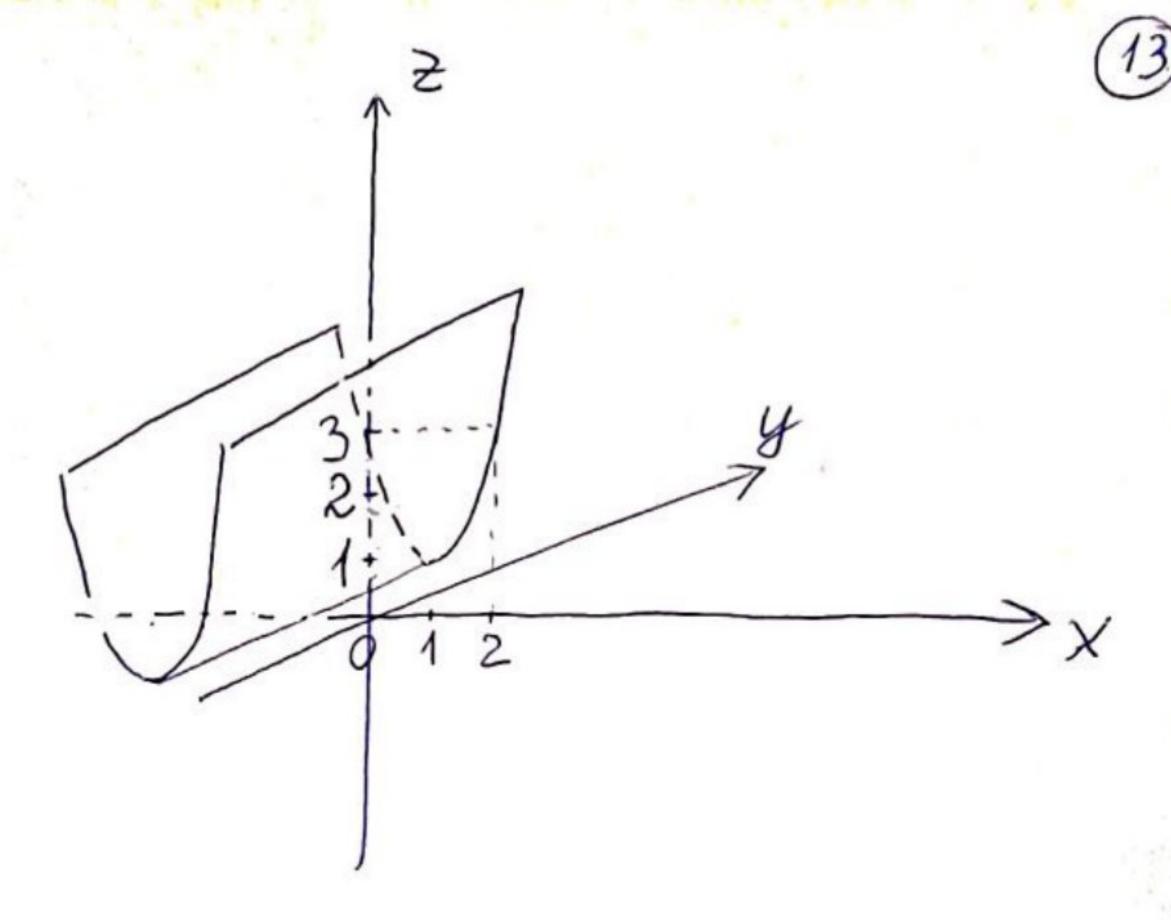
Hapure. B M1. UXZ napadony co efbringsing bepure Hoy B T. (1,1),

: 2

Канонии ур-е параболо:

rge p-napamenp napadonos





Torka nepecer. c
$$0 = x = 0 = 1^2 = \frac{1}{2}(z-1)$$

(b m. $0xz$)
$$2 = z - 1$$

$$z = 3$$

Это параболический ушминдр.

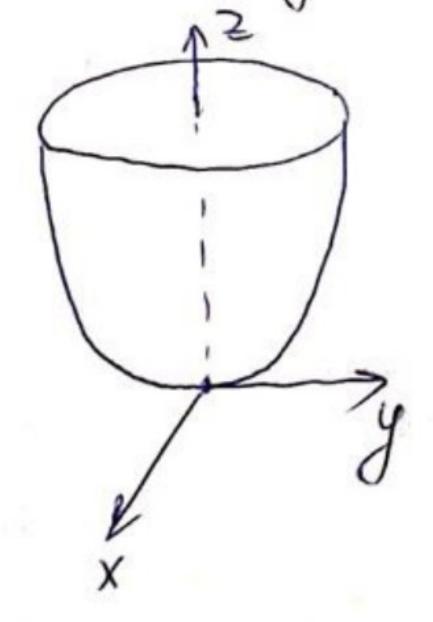
D13/11: boinoeireur zagary 3 y choero D3.

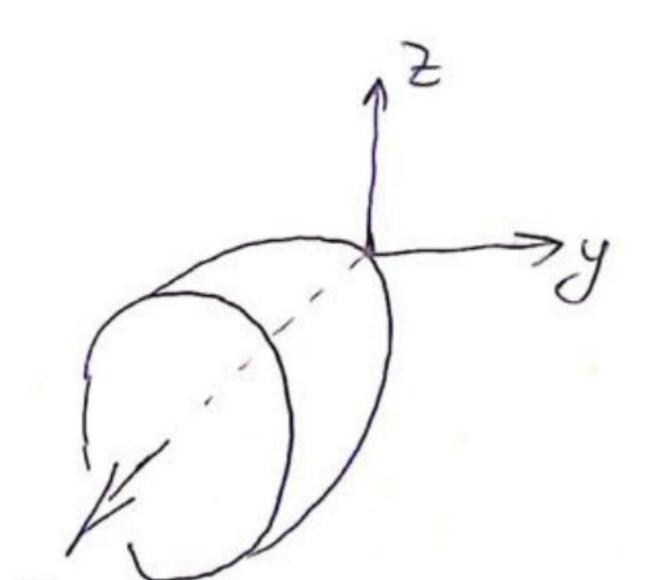
Robensman Brangemul

E chey nogooparered npeleuyn.

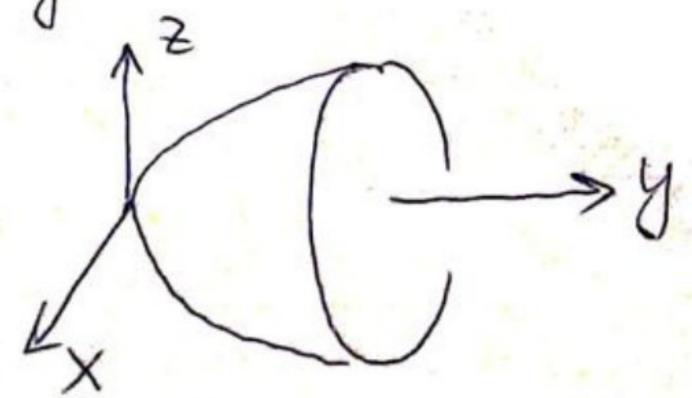
Присиер.

$$z = x^2 + y^2$$
 $x = y^2 + z^2$





$$y = x^2 + 2^2$$



Теришеры приведения пов-ги (45) канонич. виду — сем. на с. 369-373 . Канотников, Крищенко "Анал. чеом."