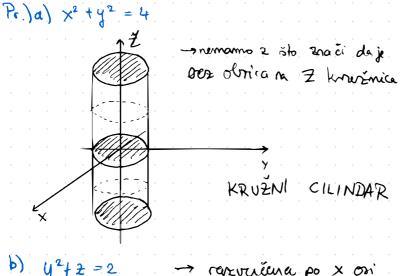
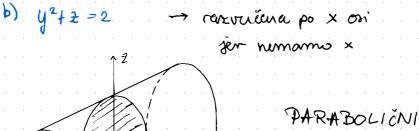
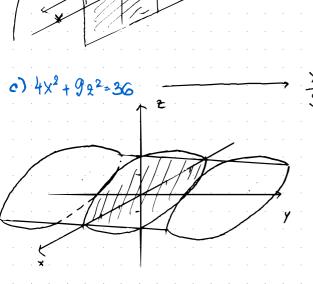
CILINDRIČNE FLOHE ("fali jedna varjabla")

CILINDAR







KONUSNE (STOŽASTE) PLOHA

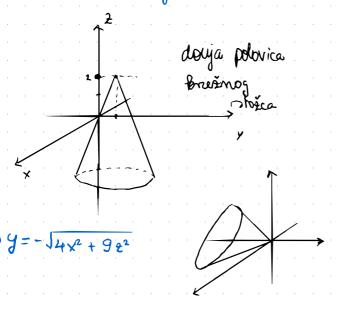
-> moramo znah izvesti je duadzibe

$$= 2 = f(x, y) = \sqrt{x^2 + y^2}$$

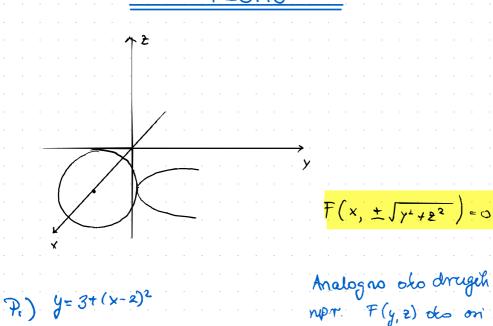
$$= 2 = f(x, y) = -\sqrt{x^2 + y^2}$$

Asjet & has dobjewo bruinicu (9 derje fuh beze polubruga

b)
$$z = 2 - \sqrt{x^2 + (y - 1)^2}$$



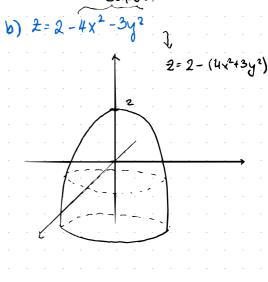
ROTACUSKE

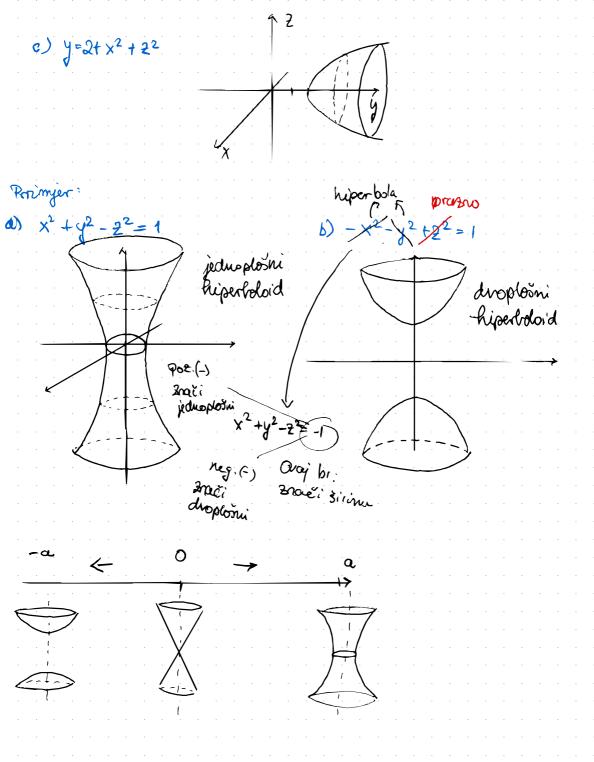


kružini parabdoid

$$\frac{1}{2} \sqrt{y^2 + 2^2} - 3 - (x - 2)^2 = 0$$

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





SED LASTE PLOHE

jako okično kao paraboloid (z- x2 + y2)

J1R-2020) (1) a) $f(x, y, 2) = 5 - \sqrt{x^2 + 4y^2 + 92^2}$ De da je 20 gali onjek je 20

De __da je 20

Jul = <-00,5] treba nivo plohe 5 - 1 x2+4y2+922 = C

$$\sqrt{\chi^2 + 4q^2 + 9z^2} = 5 - C/^2$$

x2+4y2+922=(5-0)2 => dipooid

b)
$$T(\overline{13}, 1, 1) \rightarrow f(\overline{13}, 1, 1) = 5 - \sqrt{3} + 4 + 9 = 5 - 4 = 1$$

where is $C = 1 \implies \sqrt{2} + 4 + 2 = 2 + 4 = 2 = 2$

 $\Rightarrow x^{2} + 4y^{2} + 92^{2} = (5-c)^{2}$ $x^{2} + 44y^{2} + 92^{2} = 16 \text{ nive plana}$ $\frac{x^2}{16} + \frac{4y^2}{16} + \frac{9z^2}{16} = 1$

Pr.)
$$y = 1 + \sqrt{1 + x^2}$$
 - hiperbola ponahunta po y $= 1$
 $(y-1)^2 = 1 + x^2$
 $x^2 - (y-1)^2 = -1$

hiperbola diperbola culind