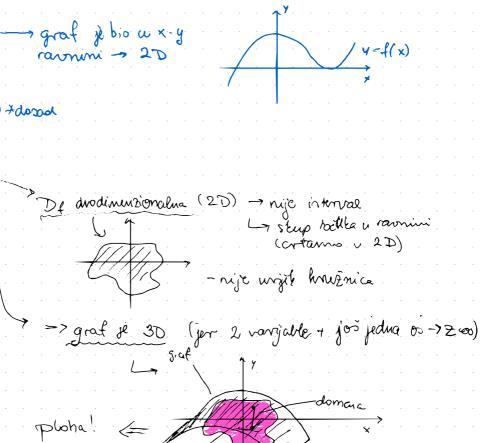
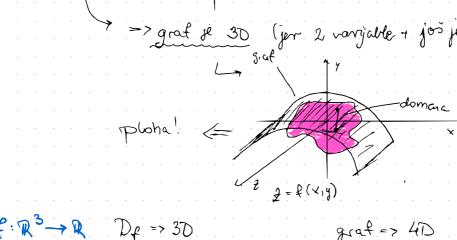


7: R-R

domina u 1-dimenz

De > 12





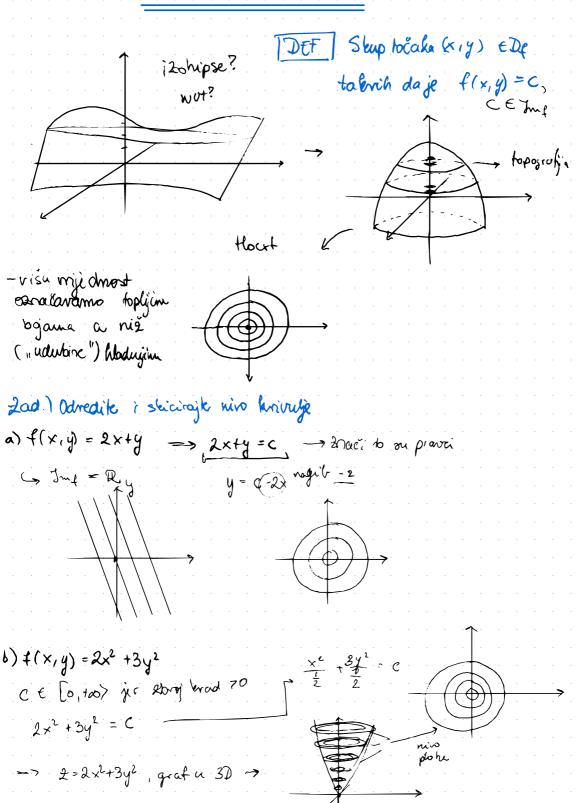
f: R3→R graf => 4D hpr domina je sfera 4 dinenz oznavouromis (x,y, &) & Dt W. So Fe vojidust midda

Funkaje više (n) vornijabli urjek pistero u visc dimenzja Ligraf je (n+1) La De je W (x1... xn) Df cultomo!! wie vise interval Zad.) Odredite domenu sy hja: a)  $f(x,y) = lu(2-x^2-y^2) + \sqrt{x-y^2}$  $x-y^2 \geq 0$  $2 - x^2 - y^2 > 0$ x2 +y2 < 2 L'errezirice sa medistem u (0,0) lra ruba b) f(x,y)= lu (x lu(y-x)) + arctz (5x + 2y) x lu (y-x) >0 y- x70 Y. X >0 2.×<0 lu(y-x) >0/e lu(y-x)(0)/e y-x <1 y-x>1 19121+x 4 > 1+x

c) 
$$f(x,y) = lu(arcsin(\frac{x}{y}))$$

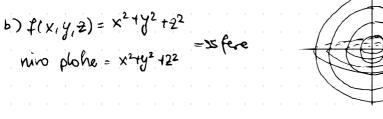
orcsin( $\frac{x}{y}$ )  $z_0$ 
 $f(x,y) = \frac{x}{y} + \frac{x}{$ 

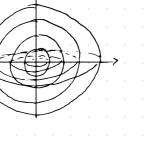
## 1.4. NIVO - SKUPOVI



DEF Niro plohe  $f(x_1y_12)$  je sleup  $(x_1y_12) \in D$   $f(x_1y_12) = C$   $C \in Junf$ . Pr.) a) f(x,y,2)=2x+y-2

$$2x+y-2=c$$





## 15. PLOHE DRUGOG

## REDA

-2 namo: plohe privog reda  $4 \times +3y + C2 + D = 0$  (ravnine) npr.  $2 = f(x,y) = 3 \times -2y + 5$  je ravnina i to odniah preposnovno

· brivalje dragog reda : kravžnica, clipso, hiperbole, ponabole · transformacje rad grafone (translacije, staliracija, ...)

geom hjela: valjak, stožac, kugla.

