3.2 ad a) Troket . Dabe 2 caka = e++d e++d = da + Bb + 8c = a+ B(b-a) + 8(c-a) Speciate ce se desti na exte alo je B, 500 1 B+8<1 xe++xa = xa + B(xb-xa) + 8(xc-xa) Ye + + yd = ya + B(yb-ya) + T(ye-ya) | Hoxeno zapisati kno matrione galandriba Ite + + Ed = Za + B (Zb-Za) + 8 (Zc-Zu) Xa-Xo Xa-xa ya-yo ya- ya Ya-Ye Moñemo cycisti Cramerovom metadom Xa-xe Xa-xc Ya-Ye Ya-ye => B = 120-20 Zu-26 Sfera - center (x=1x0,20), R-radigus => (x-x0)2+(y-x0)2+(2-20)2-R2=0 f(p) a " u voklocokaj formiji Zenka - p(+) = e+ td (p-c)(p-c)-R2=0 Tebano eyeid f(p(+))=0 (e++d-c)(e++d-c)-R2 =0 e2 + etd - ec + etd + (td) - ctd - ec - ctd + c2 - R2 = 0 d.d.+2+2a(e-c)++(e-c)(e-c)-R2=0 => += -d(e-c) = /(2-(e-c))2-(2-d)((e-c)-(e-c)-R2)



3 2ad. 3. B) (2 + y2 =1 , e+ xd , e=(e, e2, e3), d=(d, d2, d3) e, +e2+e3 + 2d1 + 2d2+ 2d3 = (ex+ 2d1) + (e2+ 2d2) + (e3+ 2d3) (e+2de)2 + Yes+2d2)2 =1 0 & e3 + 2ds & h (en+2d)2.82+(e2-2d2)2.62-625=0 5°e2 + 2 dien 25 2°d1.52 + 62 e2 - 2 dieg2.2 + d2.62.22 - 62 52 = 0 22 (dist + di (2) + 2 (2de 152 - 2de 2.e) + (52e2+12e2 - 1262) =0 All traces con the contraction 2(d2.62+d2.62) Men Fraka spece skilinder za vryednost 2 ako i samo ako okez + 2 ds h