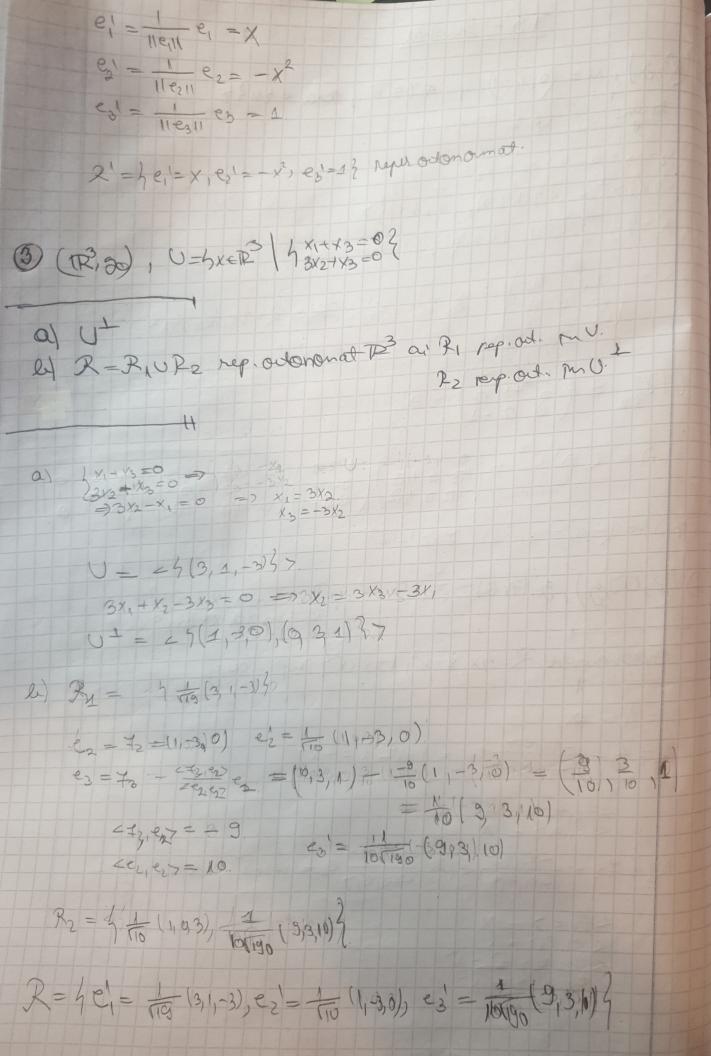
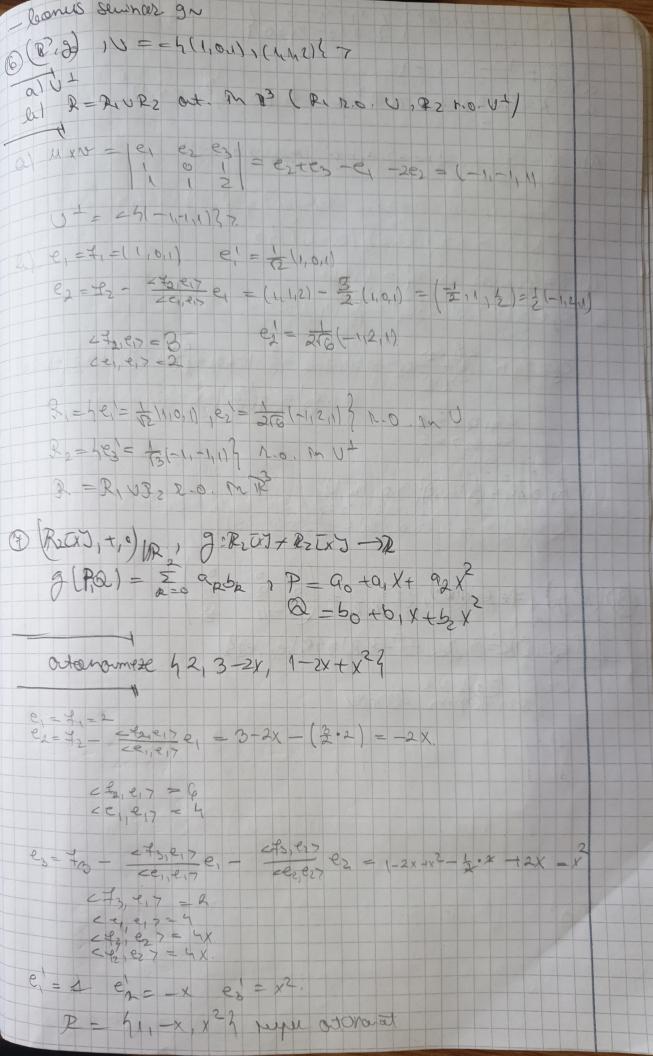
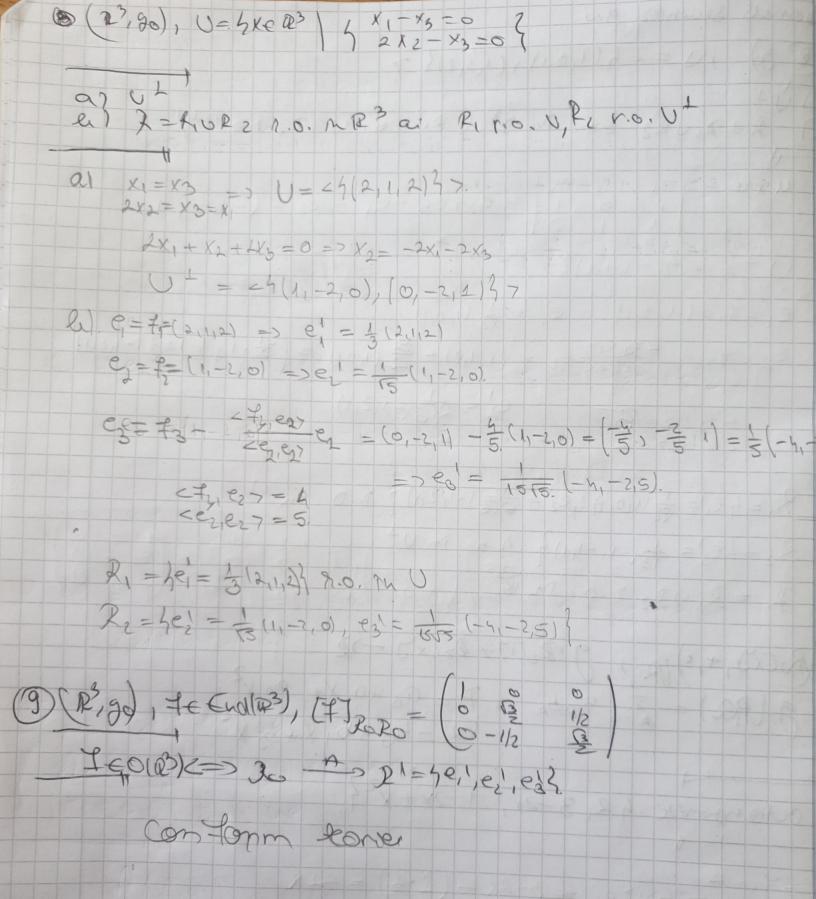
T5 - Surnar D(R3,30), M=(0,1,-1), 49=1, axa 04432 1.92 . ko. smort X2-X3=0=> X2-X3 chu37 = -7(1,0,0), (0,1,1)37 2=4 t (0,11-1), (40,0) t(0,1,1)? 122 = (0 -10) = A' +(x)=(-x1,-x3,-x), 7:23-123 (2) (Pztx)(3), 30(P,Q) = = = 9(36), P=00+Q, X+Q2x2. Ordendere R= 4x, x-x2, 1+x+x2, rep. ongo e = 7 = X C2=72- 2721217 e1 = X-X-X=-X2 < = = X 2= +3 - = +3, e, = = +3, e, = = +x+x - x + (-x²) -1 (fo,e) = X (e1, e17 = X < 43, e27 = -x < e2, e29 = x2







(P1,3) R=49,=(-1,2,2,1), ==(-1,1,-5,-3), 73=(-3,2,3,3), fn=(0,-1,1,0)3 e==1=(-1,2,2,1). ez=12- = (-1,1,-5,-3)- +0 (-1,2,2,1) = (-2,3,-3,-2) cfg, e,7=1+2-10-3=-10 <=197 = 1+4+4+1 =10 ez=+3-243, e17e, - 2+3, e27e27e2, =+3-3e, +e2=(-2,-1,-1,1) Cf3 e17=3+4+16+7=30 ce, e, = 10. (+3, e2) = 6+6-24-14 = -26 ce, e27 = 4+ 2+3+4 = 26 en=4- 24/18/7 e, - 24/18/27 e2 - 27/18/23/23 = 44 - 13/22 = (6-10/18/18) 13/18/ = 13 (0,-10,10,-3) 4 fy 817=0 Lf4 67= -6 (ez, ez 7= -26 (fyez7 = 0 R=1=1= (-1,2,2,1), e2 = 126 (-2,3,-3,-2), e3=17. (-2,-1,-1,1), e4=36.01 (6,-10,16,-3) perp. ordenoual. ((ELR), g), g(A,B) = Tr(AT-B), + A,Berg(A) a) 7. pr. sc. b) 2= 4/20), (10), (10), (00) 2 a) A = (x, x, y, B = (3, 72) 7, x, e R (x3 x, y) B = (3, 74) 7, x, e R タ(A,B) = Tr(X, X3) は、 を = Tr(xは、+X5から X,は2+X3かり (x2は、+X5から Xxは2+X5かり emount Nodels = 1/4, + x2+x3+x3+x44, = 30 Scalor b) fe 2 - 5(10,211), (0, -1110), (12,10), (0,0,0,1)

e1=71=11,0,2,1) La=f2- = (0,-111,0)- (1,0,2,1)=(-1/3,-1/3,-1/3) $=\frac{1}{3}(-1,-3,1,-1)$ < f2, e17 = 2 ce, e, > = 1+4+1=6 (2 = (1,2,50) - 1/1,0,2,11-1/2 (-1,-3/1-1) e3=43 - <43, 27 - <43, 27 - <43, 27 = (1, 2, 7,0) = 2(2,4,-1,0) 473,47=3 (1) ez = 6 (-6) = -2 = fne7 ez - = fne8 e3 = 44 - 6e1 + 6e2 en=7n- 27n1817 en = (0,0,0,1)-12(1,0,2,1)++2(-1,-3,1,-1) C711617= 1 ce1, 8, 5 = 6 < fyez = -1/3 Cez, ez >= 4/3 4 fn e3= 0 Le3, 837= 2,=4e!= = (1,0,211), e2 = 613 (-1,-3,1-1), e3 = 616 (2,7,-1,0), e4 = 813 (-1,-1,-1,3) } reper orderanat (D) C((a,5)) = 94:(a,5) - 72 (4 out 4.

(a) 4:(a,5) - 72 (4 out 4.

(c) (a,5) - 61 s. v.e \$(fig) = h(g,f) h (aftbg, u) = ah (f, u) + b h/g, u) Oh(20) = 10 +(4) g(4) dd = 10 \$4) 4(4) dd = hig, xj +fige Cleri = the Hu ((+)ge + (+)the al = (11, 12) ult al = = Sa(a741114) + 5g(t) MH1) ob = a15241 441 45 3 3 HIWH

