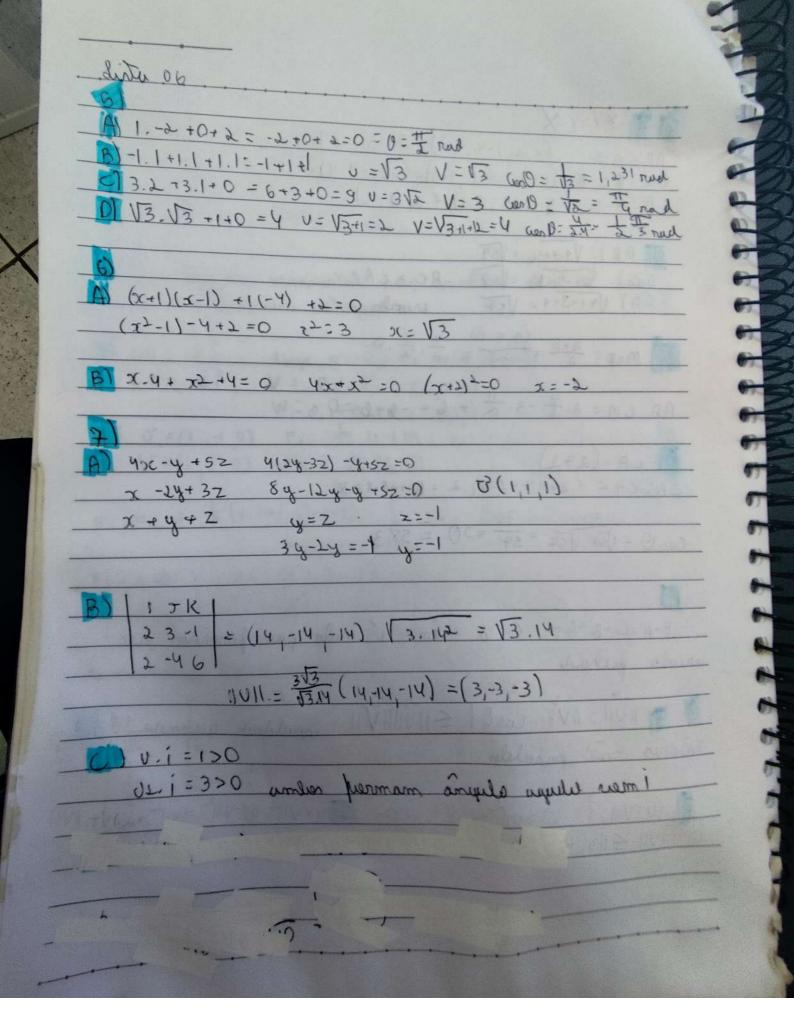


12) 20+36+46=9 11) ||AB x Ac| = 12. 2 asc a+b=2 a=b=c=1 = (1/1) B) x(a,b,c) x (10,1) \(\frac{1}{2},\frac{2}{-2}\)
(x(1=\frac{1}{6}; \alpha^2+4+(\alpha+\frac{1}{2})^2=6 \alpha=-1 \quad (=1) \\ \chi(-1,\frac{1}{2})) C) (1×11=13 x 2 antiquend a V 2 V 1 alture usen I 61,-1,-1) 13/ ABXAC717K 1 1 0 = 1 (1.3-01)-7(-1.3-0.0) 1(3)-7(-3)+K(-1)=(33-1) 0 13 13+3+(1)=19 D = 1/19 = 1 . VIO - 2/19 VIO 11BC1 = 12-02-132 = 10 ones ABCD = VW altere relative [x1 81 21 Uxw=1 (223-7243)-7(x22) K(B48 B4) 14) A) U. (V.W) = W(U.V) = x2 y2 21 VxW = x((4223-229)-9/2023-223) X3 43 27 21 (x) 43-4257 valutarely a warming 7(VXV). W=(WXV). V Blv, V, w) = 01-2 Expansion 1. (0+4)-3. (0-1)-2. (0+1) = 4+6+2=12 UVW = UVW = 12 (u 2m N) = 24 V V W = 12 (uw, v)=-12 (u,3v-2u,w+3v)=36 (U 2W V) = 24 FORONI

(8_ A) V.U = 1.3+ -1. -1 +2.1= 2+1+3=6 May = 11 (3-1+1) (18 - 6, 6 B) 1.-3+13+5.0=0 (-3+12+0=10 projut to (-3,1,0)=(0,0,0) U)-1,-2 71.1 +1.2 = +2+2+1:5 Pray 5 (\$ -5, 10) D) 1,(2) + 2.(4) + 4.(8)= -2-8-32=-42 (-T) T + (-A) T + (-8) T = 8A -42 (-2-4-8) = -1 (-2, -4-8) = [1, 2, 4] VIVII= 45 18 0 - 20 = 4-4,21 9 | V.V=18 U11012=9 P= (4,-4, 2) 9= (-1-2,-2)=3 UXV= (63,-6)= \36+9+36=9 1 5 K = (0,0,-3) = V0+0+32 = 3 U = (9,0-5) = (10 2, 14) = 1/102 + 12 + 142 = 1/20 = 10/3 r=(12,-1 U=(1,1,4) V(212) 117K 21 (0,0,0)=1000000=0

FORONI





3) 4) ×Y=Y-X AB = A-B (5-2 1-4, 33) (3-3,-6) BC=BC-B (0-5, -3-1, 1+3)-(-5, -4, 4) CA-A-C (2413,31) {24,2) B) AB) V3-9+36 = VSY BC) 15+16+36 = VS9 BC = CA (A) V4+49+4: V59 mereles MAB = A+B (9,5,0) + 5,0 AB. cm = 3. 2 -3. 2 + 6= -6+6=0 DI CA=(292) CB. CA = 3.2+4.7+ (-4).2 = 10+25-8=30 Ces 0 = JS4. JS4 = 30 = 58,3 B-A+C-B-A-C=O a roma 1 mulo preis fromeron wom bolses alura 1 70 monary habbary 11VIIIVII = 10 ass. HVII. IIVII (A) ulebaray our cereiton B) (U+V). (U.V)=110112+20.0+ 111112 00+1112-110-111/2 =411/2-2014+111) V. Up = 1. 02-11011-114411 = 11414111

