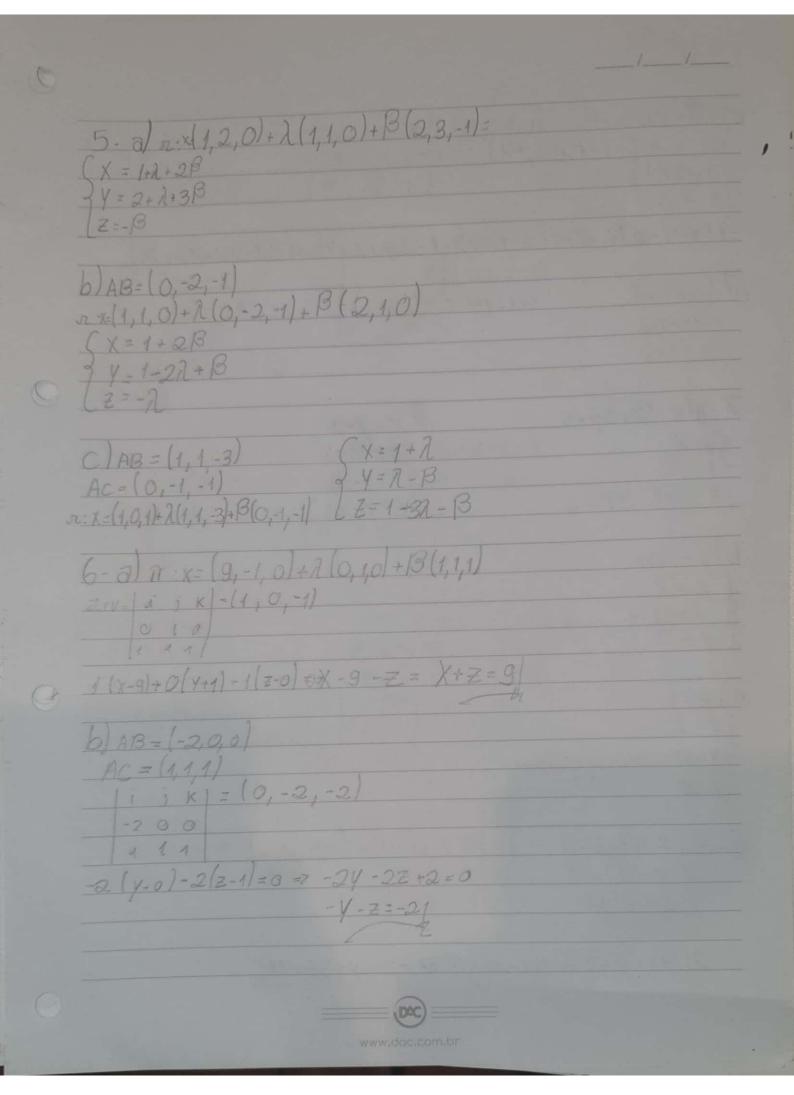
2-a) B. b) P.(1,:	3, -3)	2=0		Q=(-3,4,	12]	Pŧn
13=1		1=3	1	4 = 7 12 = 4+22		QEA
cl		( · Z		1121	16	
n 94=	1 - 2	, REIR				
(Z=-	7122					
3-a) & AB	BC, AC	I ELD AF	34 (BC-A	2)		
AB= (-8,	-9,10)			-4 10 -8		+36-1170+36+90+936=0
BC = (9, -			11-	13 1 1	-13   cd	heaver a formam was truângu
b) Å	ũ	: M= C		A.B.C.	3, «, B E/R	CA=(-1,13,-1)
AME		M= C+x(	-1,13,-	1)+13(-3,	9,9); «, βε	IR CB-(-9,9,9)
- a)	1 0					97 = 0 x 8AB, C3: LD
	1+7 7+1					7 => R=-2.5 2,-32) &
					1,0,	
b) d (c, A)	- Star 2 13	12-11-12-11	V57 - 4	12+2	d (cb)=1	(4) 0/2 (AO) (A) = V3/42
d (C, A) = d						
32-42+2 = V31	1-2	C=	1,0,0	) for		
92=0						



C)AB=(0,-2,-1)	
$\begin{vmatrix} i & j & K \\ 0 & -2 & -1 \end{vmatrix} = (-1, -2, +4)$	
12 10 1	
-1(x-1)-2(y-1)+4(z-1)07 X-1-24+27-42) X-24+47-3	
d) (x=1+2 X+1=4+1=Z-1)	
of 4=-1+2	
Lz=1-2	
7 -1 - 111	2
7- al z=4x+2y+5 dl z=y-2 (x=1) (x=B)	
\( \text{x} = \text{1} \\ \text{y} = \text{7} + 2	
[==47+2B+5 L=4-2	
b/y = SX+1 $f(x) = R$	
7 4=52-1	
Z= B	
C) 7 = 3	
1 y = B	
Z=3	
8-al(x=42-8   1 j x = (-2,1,3)	
$\begin{cases} 1 = 2\lambda + \beta &   1 & 2 & 0 \\ 2 = 3 - \beta &   -1 & 1 & -1   \end{cases}$	
[6-3-18	
-2(x+1+y-0+3(z-3)=0=7-2x+y+3==11)	
Doc	
www.dac.com.br	

1 = 2 = 3-2+1	8 1	0-1		-2) -17-4+2=0 Y=21
2 (y-0)+1(z.	18	1 j K   1 2 1   -1 2 1		
10-a) SX	y + 27 = 0	1 + 7 (7)	= 1-34	
2x+2y-120 x+y=12 x=2-y		7= 1-1	G \\ x = \frac{1}{2} - \\ \frac{7}{2} = \frac{1}{2}	2
C) 2X + 2 + 1 = 0 6 - Z + 1 = 0 Z = 7	$\begin{cases} x=3 \\ y=7 \\ z=7 \end{cases}$	5Z: (3)	+ 2 (0)	

d {x=2 2 = 0	$\pi: \begin{pmatrix} 0 \\ 2 \\ 0 \end{pmatrix} + \lambda \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}$	
11-a) Viz = (-2.9 -1)	Z=3-4 X+24-3=6	
Sx=9-27	X+2y=9 X=9-2y	
Z = 3 - 2 X = (9, 0, 3) + 2 (9 = 1 - 22 = 2) = 4	(2,0,-1) . São paralelas e não concidente	7
3=1-7=7=-2		
b) 52 X+1 = 4 = 2 2 3	2	
$l_{2} = (2,3,2)$ $V_{3} = (-1,0,-1)$	(1,2,0) X=(-1,0,-1)+(2,3,2)/2 \$ B(1,2,0)	
$\begin{cases} -1 + 2\lambda = \beta \\ 3\lambda = 2\beta \\ -1 + 2\lambda = 0 \Rightarrow \lambda = 0 \end{cases}$	$\beta = -1 + 2 \cdot \frac{1}{2} = 0$ $3 \cdot \frac{1}{2} = 2\beta$ $\frac{1}{2}$ $\beta = \frac{3}{4}$	
(2,-1,3) V= (1,-2,2)	$\chi = (8,1,9) + 2(2,-1,3) = (3,-4,4) + B(1,-2,2)$ 522 - 8 = +5 21 + 28 = -5 • São concoventes 32 + 28 = -5	

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\vec{v} = (1, m, 1)$ $\vec{v} = (1, m, 1)$	1m+2m+m+0	transporal as
Nex No   i j x   = (3-2m3, -m-2m3, -3m-m2) staro poroción	Nex No   i j x   = (3-2m3, -m-2m3, -3m-m2) staro poroción	$V_{a} = (2,0,1)$ $V_{b} = (m,1,0)$ $V_{4} = (1,0,m)$ $V_{4} = (1,0,m)$ $V_{4} = (1,0,m)$	$m \mid 1 \mid 0 \mid 1 \mid 1$	
		Nex No   i j K   = 1		