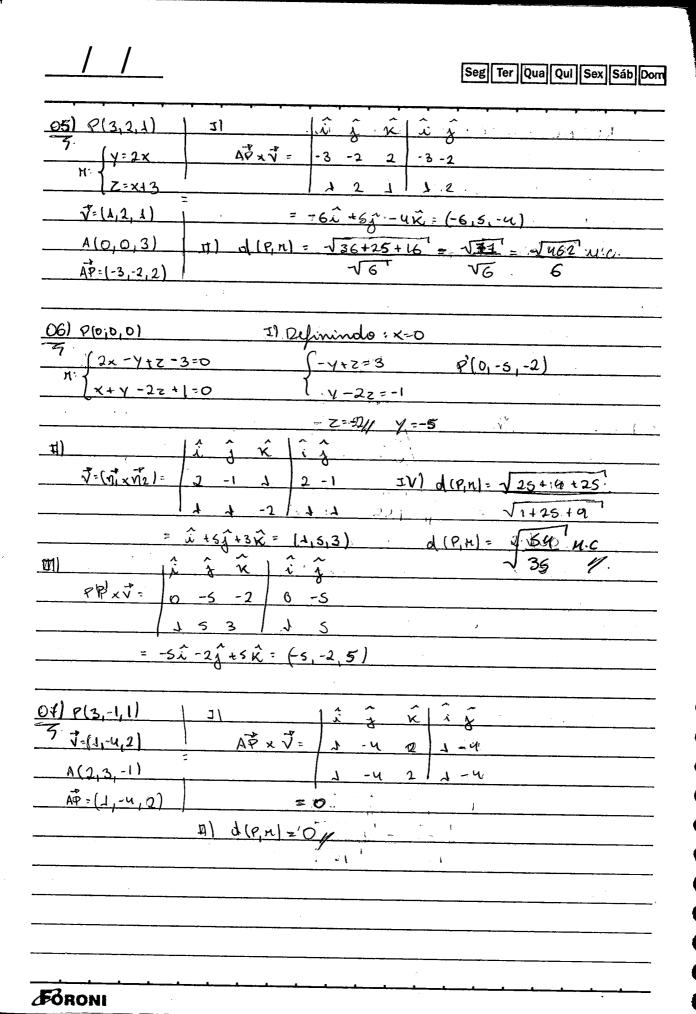
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Repútulo 07 - Distâncias.	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\frac{(2) P_1(1,0,1)}{7} \qquad \frac{d (P_1, P_2) = \sqrt{3^2 + (-1)^2 + (-1)^2}}{d (P_1, P_2) = \sqrt{3}} \qquad \frac{d (P_1, P_2) = \sqrt{3}}{4} \qquad \frac{d (P_1, P_2)}{4} \qquad \frac{d (P_1, P_2) = \sqrt{3}}{4} \qquad \frac{d (P_1, P_2) = \sqrt{3}}{4} \qquad $	
03) P(2,3,-1) (d(e,n) = AP x V) 7. (x=3++	d
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	₹
$A(3,0,4) = 10\hat{1} + 4\hat{1} + 4\hat{1} = (10,4,4)$ $A\vec{P} = (4,-3,2)$	
II) $d(P, H) = \sqrt{10^2 + 4^2 + 1^2} = \sqrt{117} \text{ u.c.}$ $\sqrt{1^2 + (-2)^2 + (-2)^2} = 3$	·
$\frac{7}{7} \left(\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
4P=(1,1,0)	,

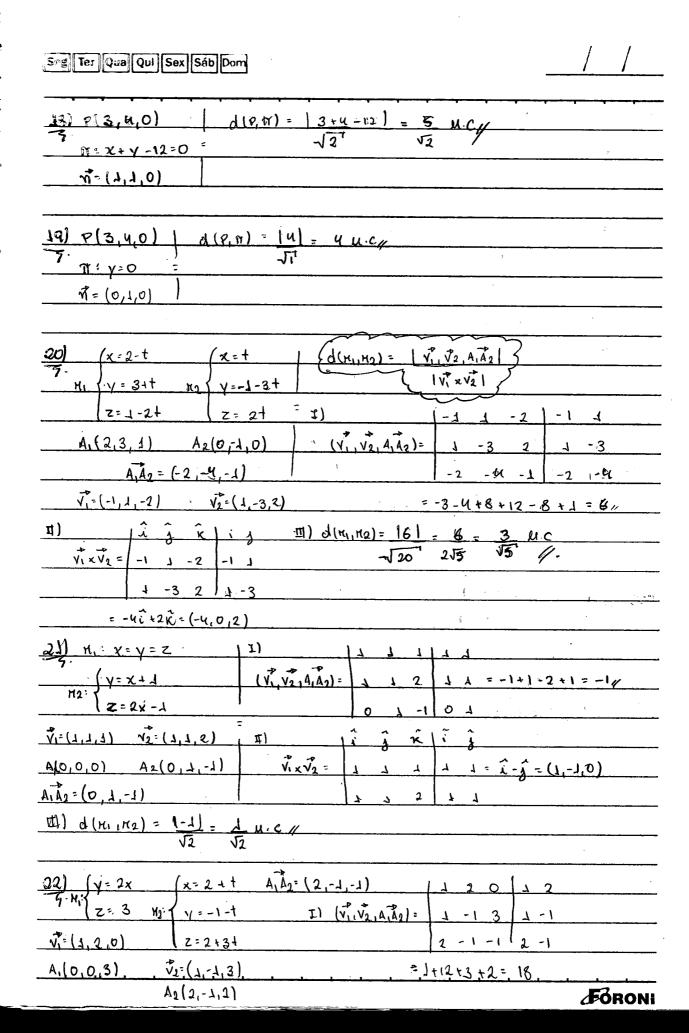
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C3) P(1,2,3) 3) 3) 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13		/	
V=(1,0,0) RexV= 1 2 3 1 2		·	
AP=(1,2,3) 1 1 0 0 1 0		· ·	,
$4(0,0,0)$ = $3\hat{3} - 2\hat{x} = (0,3,-2)$			
I) d(P, N) = 19+4 = 13- N·C/	<u>.</u>	<u> </u>	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			-
7(0,0,1)		W	<u>-</u>
$A\vec{b} = (\lambda, a, 3)$ = $2\vec{i} - \hat{j} = (2, -1, 0)$	ž ž		-
#) d(P, m) = \struck_5' u.c./.			-
7			-
10)P(A,2,3) \ \ \(\begin{array}{c c} \hat{\infty} & \hat{\infty}	۹		-
7. 1(x=1 , AO x = 0 2 4 0 2			-
11: Z=-4 2 0 4 0 0 3			-
₹= (0,1,0) = -uî = (-4,0,0)			_
A(1,0,-1) 11 d(P,n) = \$16 = 4 mc/1.			
AP-(0,2,4)			
At (Ola)			_
ul em 101	,		_
11) P[2,-1,2)			-
11.00	, h		
			-
$d(0 \circ 1) = 0 \circ (2) + 2(-1) - (2) + 3 = 7 + 4 \cdot C(1)$			-
$d(\rho, \pi) = 2(2) + 2(-1) - (2) + 3 = + u.c./$ $-\sqrt{2^2 + (-2)^2 + (-1)^2}$			- - -
- 2 + (-2) + (-4)			-
			_
$\frac{12)}{3} P(3,-1,u) \qquad \qquad d(P,\pi) = \qquad 3-1+4 = 6$	V3 -	653 = 253 3	M.C
111 11 11 11 11 11 11 11 11 11 11 11 11	V al		
$M_{\Phi} = (Y, Y, Y)$			<u> </u>
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$\frac{13) P(1,3,-6)}{5} \qquad \frac{1}{5} \frac{1}{5$	
$\frac{44}{3} = (4,-1,4)$ $\frac{44}{3} = (4,-1,4)$ $\frac{44}{3} = (4,-1,4)$ $\frac{4}{3} = (4,-1,4)$ $\frac{4} = (4,-1,4)$ $\frac{4}{3} = (4,-1,4)$ $\frac{4}{3} = (4,-1,4)$ $\frac{4}{3}$	
$\frac{1}{1} \frac{1}{3} \frac{3}{3} \frac{1}{4} \frac{1}{20} = \frac{1}{25} \frac{1}{3} $	
$\frac{45) P(4,4,4)}{7} = \frac{15}{3} + \frac{15}{3} +$	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2229
2+3-2+d=0 d=-3//	77
$\frac{1}{\sqrt{3^2 + (-3)^2 + (-1)^2}} = \frac{1 - 61}{\sqrt{11}} = \frac{6}{\sqrt{11}} = \frac{6}$	77
$\frac{7}{12:2\times1.2y+2z-5=0}$ $\frac{1}{12:2\times1.2y+2z-5=0}$	1777
$\frac{11}{\sqrt{14+4+4^{2}}} \frac{ A(P_{1}\pi_{2}) ^{2}}{\sqrt{12}} = \frac{ 3 }{2\sqrt{3}} = \frac{3\sqrt{3}}{\sqrt{3}} = \frac{3\sqrt{3}}{2} = \frac{\sqrt{3}}{2} + \frac{\sqrt{3}}{2\sqrt{3}} = \frac{\sqrt{3}}{2\sqrt{3}} = \frac{\sqrt{3}}{2\sqrt{3}} + \frac{\sqrt{3}}{2\sqrt{3}} = $	
$\frac{17)}{5} \begin{cases} x = 4 + 3 + \frac{1}{3} \\ y = -1 + + \frac{1}{3} \end{cases} \qquad \frac{d(R, Y) = 4 + 1 + 4 = 9}{\sqrt{6}} \text{ a.c.} $ $z = t \qquad y = (1, -1, -2)$	1111
P(4,-1,0) FÖRONI	199



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#) $\frac{1}{\sqrt{1}} = \frac{1}{\sqrt{2}} = $
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$A_{1}(1,2,-2) = -1 -1 2 -1 -1$ $A_{2}(0,1,0) = 0$ $A_{1}A_{2}:(-1,-1,2)$
$\frac{2u)!}{7} \left\{ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\sqrt{1} = (0,0,1)$ $\sqrt{1} = (0,0,1)$ = 100100 $A_1(3,2,0)$ $A_2(1,4,0)$ $4)$ $d(9,1) = \sqrt{444} = \sqrt{8} = 2\sqrt{2} \cdot 4 \cdot 6$ $A_1A_2 = (-2,2,0)$ 4
25) $\begin{cases} x=3 & p(3,4,0) & \overrightarrow{AP}=(3,4,0) & 5 \end{cases}$ $\begin{cases} \hat{i} & \hat{j} & \hat{k} & \hat{i} & \hat{j} \\ y=4 & A(0,0,0) & \overrightarrow{AP} \times \sqrt{2} = 3 & 4 & 0 & 3 & 4 \\ & & & & & & & & & & & & & & & & &$
$\frac{\sqrt{2} = (0,0,1)}{4} = \frac{\sqrt{25}}{25} = 5 \text{ M.C}$

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