```
1-80c3+17y3-120cy-20=0
8 (xccos 0 - y seen 0) + 17 (x sen 0 +y cos 0)
-12 ( x' eas 0 - y' sen o) (x' sen o + y' eas o) -20=0
8 (6) cos 0 - 2. x'y cos 0 meno + (y') sen 0)

+ 17 ((x') sen 0 + 2. x'y' cos 0 meno + (y') cos 0)

-18 ((x') cos 0. sen 0 + x'y' cos 0 - x'y sen 0 - (y') cos 0. sen 0
(c' y') (-16 cos o. seno +34 cos. sen o -12 cos o + 12 sen o)
+18 cas o. sen o - 12 cas o + 12 sen o = 0 - 6 cas o
        3 nent - 2 + 2 nent = 0
         3.11 -2 +9 11 =0
1=9-4.(+2)(-2) u=-3±5
1=9+16
1 = 25
   men 9- 1
  cos 0 = 2 per 0
   Jen + con 0 = 1
Jun 9 + (2 sen o) = 1
   Den 20 + 4 Den 9 : 1
                 sen 9= J
```

```
(x12 (8 coo 0 + 17 sen 0 - 12 cros 0. sen 0)
        8. \left(2\sqrt{5}\right)^{2} + 17 \cdot \left(\sqrt{5}\right)^{2} - 12. 2\sqrt{5}. \sqrt{5}
         8.48 + 17.8 - 12.2.8
         25 355 255
             32 + 17 - 24 = 25 = 5
5 \quad 5 \quad 5
(4)2 (8 sen 20 + 17 cas 0 + 12 cas 0. sen 0
       1 \cdot (\sqrt{5})^{2} + 17 \cdot (2\sqrt{5})^{2} + 12 \cdot 2\sqrt{5} \cdot \sqrt{5}
      8.8 + 17.4.8 + 12.2.8
           \frac{8}{5} + \frac{68}{5} + \frac{24}{5} = \frac{100}{5} = 20
       5 (x) +20 (y) = -20 =0
 5 (x) +20 (y) =20 -20
 5 (x) + 20 (y) = 20
 (x')^{3} + (y')^{2} = 1
a= 2
                                         A1=(0;0) B1=(0:1)
A2=(-2:0)/ B2=(0:-1)/
```

1 -13 -1 tilibra

((truer 4- toos 4+6-, (truer 4 toos 6+1)=(1)2 \_ (
(truer 4- toos 6+6-, (truer 6+ toos 6+1)=(1)2

x=1+2(cost+sent) y=-2+4(cost-sent)

 $\begin{cases} x-1 = \cos t + sent \\ y+2 = \cos t - sent \end{cases}$ 

 $\left(\frac{x-1}{2}\right)$  = sen I +  $\left(\frac{y+2}{4}\right)$  + sen I

3-  $(\lambda^{3}-4)$  x +  $(9-\lambda^{3})$  y +  $3(\lambda^{3}-\lambda)$  3 =  $\lambda$ 

 $\lambda^{2} = 0$   $9 - \lambda^{2} = 0$   $2\lambda^{3} - 2\lambda = 0$   $\lambda = \pm 2$   $\lambda = 0$   $\lambda = 0$  $\lambda = 0$   $\lambda = 1$ 

	14-3	λ=-3	-3424-2	λ=-2	-26 760	λ=O	Oches	λ=1
2-4	+	+	+	0	_	more.	-	40,000
1- X3	_	0	+	+ /	+	+	+	+
x2- X	+	+	+	+		0	accide	0
λ	e comma	-	ena.		and the same	0	+	1

					<b>`</b>
14749	7=2	2<243	λ=3	1>3	
months	0	-	+	+	
4	1	+	0		
<del>}</del>	+	+	4	+	
+	+	+	+	4	

Portanto, se:

\( \lambda \lambda - 3 \) \( \text{ um Priperbalando de duas falhas} \)

\( \lambda - 3 \) \( \text{ conjunto vazio} \)

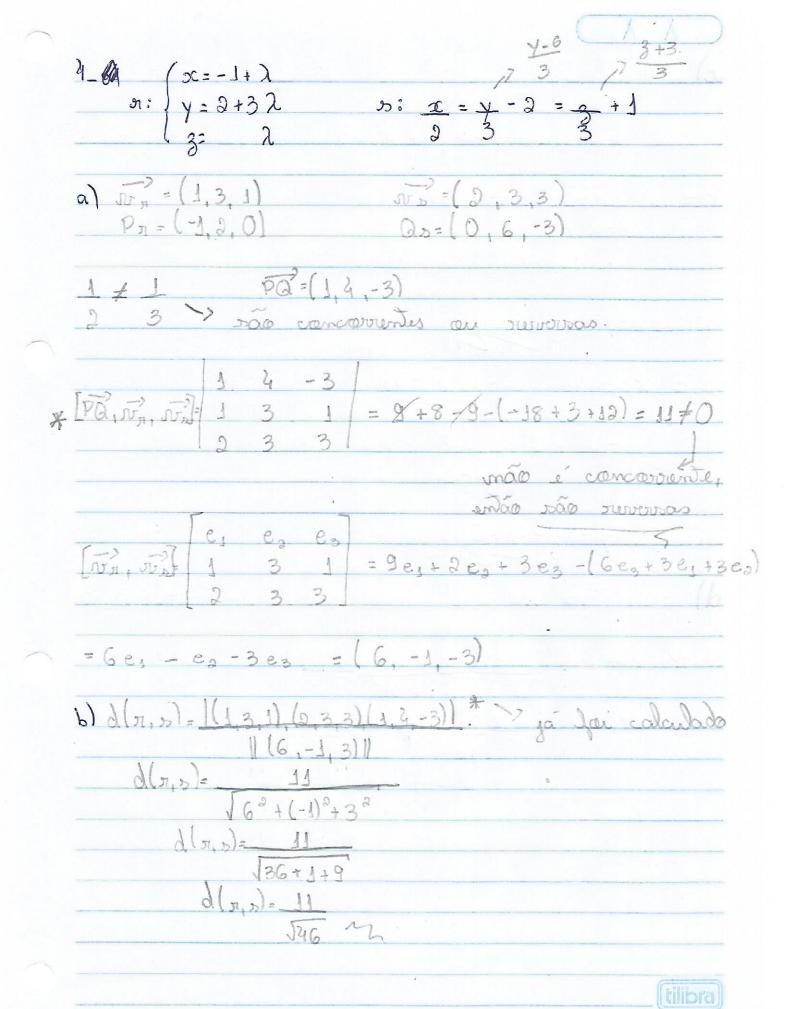
\( \lambda = -2 \) \( \text{ conjunto vazio} \)

\( \lambda = 0 \) \( \text{ um umao do das planos · concavientes} \)

\( -2 \lambda \lambda \lambda \) \( \text{ uma Priperbale de uma falha} \)

\( \lambda \lambda

		0 1 0	del	0 00		
. 7 2	1 Juma	Priperbale.	de uma	Jetha.	12/12-1/	
				•		
						-
			•			
					•	
				2		
					•	
						Name of the last



c) Se Nix No= (6,-1,-3) de e 1 M. e Mo Então T1 = 60c - y-33 + d1 = 0 a T2 = 60c - y-32 + d2 = 0 PE 1, então: P=(-1,2,0) 6. (-1) -2 +dj=0 d. = +8 171: 6x-y-33+8=0 Q E 12 então: Q = (0,6,-3) -6-3.(-3)+dg=0 +9 +d=0 d(P, ro)= 16. (-1). (-1). 0, (-3).0, -3  $d(P, \pi_0) = 1 - 6 - 2 - 31 = 11$   $\sqrt{36} \qquad \sqrt{36}$