Leanotte SIMINAR SAPT (14)

dropte si plane or R?

$$A = (\alpha_1, \beta_1, \frac{1}{2})$$

AB =
$$\{z = z_1 + lt\}$$
 unde $l = (z_2 - z_1)$
 $\begin{cases} z = z_1 + ret \\ z = z_1 + ret \end{cases}$ $l = z_2 - z_1$

$$\overline{AB}$$
 = (l, m, e) = directl) + (0,0,0)
directl = \overline{AB}

b) denda

$$\frac{d^{2}}{dt^{2}} = \frac{\left(\overrightarrow{OP} \in \text{blim}(d_{1}) \middle| 200 \middle| P = (94.5), 21}{\left(\overrightarrow{OP} \in \text{blim}(d_{2}) \middle| 200 \middle| P = (94.5), 21} \right)}$$

$$\frac{d^{2}}{\partial P d_{1}} = \frac{1}{P0} \cdot \overline{OQ} \cdot C < \underbrace{\left(\overrightarrow{OP}, \cancel{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OP}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left(\overrightarrow{PQ}, \overrightarrow{OQ}, \overrightarrow{OQ} \right)}_{100} \middle| 2 > r = 5 \underbrace{\left$$

{ 0P 300 } SLi

APLICATION

6) (wasting ord $Q = \left(-\frac{5}{13}, \frac{25}{15}, 0\right)$ $Q = \left(-\frac{13}{3}, \frac{11}{13}, -\frac{1}{13}\right)$ Pa = x-1 = y-1 = 2-1 = 2-1 = 2-1 = 2-1 = 2-1 = 2-1 = 2-1 = 2-1 = 2-1 13 to 2013 Dole d (P,d) d(P,d) = 1Pel = M-Pell = 1 by + 100 13 1324 + 144 + 169 = 1 468 + 169 = 1637 = 7 13 = 7 13 Clare 17:00=+by+c=+d=0 ((a,b,0)+(0,0,0) PET P=(x0,40,20) T(: a(x-x0)+b(y-10)+c(2-20) 10 = { (x, y, 2) | (x, x, y, y, y, z, z)] (a, b, x) } = T Dire (T) = (a,b,e), unde (a,b,c) p. e parametric surrelle (disates) Ti = a(+-xi) + b(y-4c)+6(+-2i)=0 a) Till T2 => (are (arobi, i) = flax, cx, b) / to b) TILTIETS artelle aventhibettle # 50 Fie da. d = x-x0 = y-y0 = 2 = 20 a) d/121, ==> da(a) & Dia(a) => (a, b, a) 1 (l, m, e) ==> al + bom + cn = 0 b) de tre=> dll t, m a, (x1-x0)+b, (y1-x0)+c, (21-20)=10 c) d 152, -=> din(&) 11 (a ob, c) ==> le (e, m,e) = + (a,b,c) APLICATION Az Te P= (1,1,1), R: x-y+22=3 a) but , pap , din p pe tr d: 2-1 = 9-1 = 1 2 2 1 = t => R = (t+1, -t+1, at le R Data: on Th ++1-(-t+1)+2(2t+1)=+=>6t=-2 = T++1 => @ (3)) A @ = (3,5,8) net a cr, o si) acp. 20 = 1000 |Pod = 1274, ut = 11116 = 16 = 18 16 (2)

(P, 57) = [axo+byo+c2o] Az Tie P = (1,1,2), d: 25 = 4+1 = 2-2 a) dit. 11 la d (d') d: 3-1=7-1=2-1 b) out popond. 139, dcn a(z-1)+b(y-1)+c(z-1)=0 #11 T 30+6=0 d < 32 a(2-1)+b(-1-1)+c(2-1)=0 -> 1:-E(x-1)+3(1-1)+c(x-1)=0 (eto) => JC: -(2-0)+3(4-1)+8(2-1)=0 N: -36 +82 -9=0=> R:-+84+82=9) Saise out of va' (planed gene de dried) dva': da(2-1)+b(q-1)+c(2-1)=0} => Pvd = dvd'

{ a-2b+c=0} Ato d. 2-1 = 8+1 = 8 , de: 2+1 -4-2 = 3 who aid side every, dinde= for (i.e dil to) Pa = [1;-1,0] Ed 1 => 0= 2-30 | Add 50, A) P2 = (132,0) Ed2 to assert du planul roar, rilda a(#-1) +b(y+1)+ ex=0 \ \(\arc=0^{=-}\) \\(\arc=0^{=-}\) \(\arc=0^{=-}\) \\(\arc=0^{=-}\) => or: 3(# -1) +2(9+1) -2=0 E= 2 826 +27 -2=1

Exemple (pt. A2)

d(P, x) = (1-1+2-3) = 1/16

F. exemulo.

T: 02 + by+ c2 + 8 = 0 P= (x0, 80, 20)

odd. I (papera) rameura ju d (dr.da) (17) pri e unich ==>d, nd2 + 303 => raphomore)

presied, artied, a. ? Presiect Land,

=> rest {21 *135 =5 => 15

=> \ -115 = 10 - 7

$$P = \left(\frac{14}{11} + 1 \cdot \frac{21 - 11}{10}, 0\right) = \left(\frac{25}{11} \cdot \frac{10}{11}, 0\right) \quad \mathcal{R} = \left(\frac{14}{11} \cdot \frac{13}{11}, \frac{13}{11}\right) = \left(\frac{7}{11}, \frac{13}{11}\right) =$$

PQ:
$$\frac{2-25}{-3} = \frac{3-10}{2} = \frac{2}{3}$$
(a) (-3) (0)