Tema

6.7 Determinate simetricul punctului Q (7,-5,7)relatio la planul sare trece prin dreptele:  $d_1 \begin{cases} x + y + z - 3 = 0 \\ x - y + z - 1 = 0 \end{cases}$  Si  $d_2 \begin{cases} y = 0 \end{cases}$ 

 $\vec{d}_{11} = (1,1,1)$   $\vec{d}_{21} = (1,0,1)$   $\vec{d}_{12} = (0,1,0)$ 

 $\vec{d}_{11} \times \vec{d}_{12} = \begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ 1 & 1 \end{vmatrix} = \begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ 1 & 1 \end{vmatrix} = \begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ -\vec{k} & -\vec{k} + \vec{i} - \vec{k} \end{vmatrix}$ 

=) d,=(2,0,-2)

 $\vec{d}_{21} \times \vec{d}_{22} = \begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ 0 & 1 \end{vmatrix} = 0 + 0 + \vec{k} - 0 - \vec{i} - 6$ 

 $\vec{d}_2 = (-1,0,1)$ 

$$\begin{cases} x_{-} y_{+2} = 3 \\ x_{-} y_{+2} = 1 \end{cases} \Rightarrow 2y = 2 \Rightarrow y = 1$$

$$\Rightarrow x_{+} + 2 = 2$$

$$\exists \dot{a} \quad x_{-} \neq z_{-} = 1 \Rightarrow \partial (1, 1, 1) \in \mathcal{A}_{1}$$

$$\exists \dot{a} \quad b (1, 0, -1) \in \mathcal{A}_{2}$$

$$\overrightarrow{AB} = (0, -1, -2)$$

$$11 : \begin{cases} x_{-} - 1 & y_{-} = 1 \\ 2 & 0 & -2 \\ -2 & +1 \end{cases} = -2x + 2 + 2 + 2 + 2 + 2 + 2 + 2 = 0$$

$$11 : x_{-} - 2x + 1 y_{-} - 2z_{-} = 0$$

$$11 : x_{-} - 2y + z_{-} = 0$$

$$2x_{-} + 1 y_{-} + 2 = 0$$

$$3x_{-} + 1 + 2 = 0$$

$$4x_{-} + 1 + 2 = 0$$

$$2x_{-} + 1 + 2 = 0$$

$$3x_{-} + 1 + 1 + 2 = 0$$

$$3x_{-} + 1 + 1 + 2 = 0$$

$$3x_{-} + 1 + 1 + 2 = 0$$

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$$3x_{-} + 1 + 2 = 0$$

$$3$$

 $\begin{cases} X = 9 + t \\ 9 = -5 - 2t \\ 2 = 9 + t \end{cases} = 9 + t - 2(-5 - 2t) + 9 + t = 0$ 

$$38 + 2 t + 10 + 4 t = 0$$

$$38 + 6 t = 0 = 3 t = -3$$

$$4 = 1$$

$$4 = 1$$

$$2 = 1$$

$$4 = 1$$

$$2 = 1$$

$$1 = 4 + KR$$

$$2 = 3 KR^{2} - 2$$

$$1 = 4 + KR$$

$$2 = 3 KR^{2} - 2$$

$$1 = 4 + KR$$