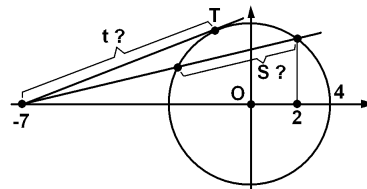


Übungen in AlgGeo ◇ Exercices en AlgGéo ◇ T. E1 ◇ I / 12

Probl. 1

$$t = ? \quad s = ?$$

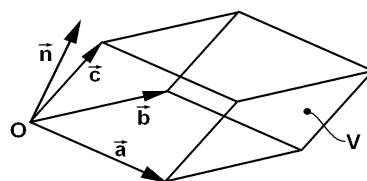


Probl. 2

$$\begin{cases} 3x + 4y = 7 \\ 2x - 3y = 5 \end{cases}$$

Probl. 3 $\vec{a} = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}, \vec{b} = \begin{pmatrix} 4 \\ -1 \\ 5 \end{pmatrix}, \vec{c} = \begin{pmatrix} -4 \\ -3 \\ -2 \end{pmatrix}$

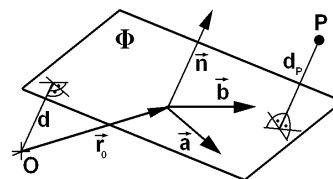
$$\vec{a} \times \vec{b} = ? \quad V = ?$$



Probl. 4 $P = P(17, 18, 19),$

$$\vec{r}_0 = \begin{pmatrix} -4 \\ -3 \\ -2 \end{pmatrix}, \vec{a} = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}, \vec{b} = \begin{pmatrix} 4 \\ -1 \\ 5 \end{pmatrix}$$

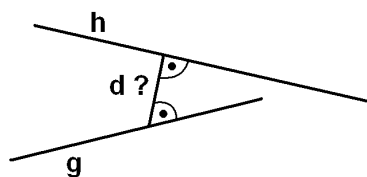
$$d = ? \quad d_P = ?$$



Probl. 5 $g: \vec{r} = \begin{pmatrix} -2 \\ 4 \\ 1 \end{pmatrix} + t \begin{pmatrix} 7 \\ 2 \\ 2 \end{pmatrix}$

$$h: \vec{r} = \begin{pmatrix} 8 \\ 3 \\ -1 \end{pmatrix} + t \begin{pmatrix} -4 \\ 5 \\ 1 \end{pmatrix}$$

$$d = ?$$



Idee: • *Idée:*

