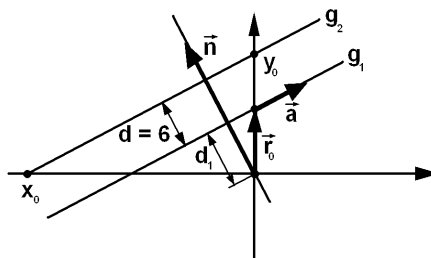


Übungen in AlgGeo ◇ Exercices en AlgGéo ◇ T. B1 ◇ I / 14

Probl. 1 $\vec{r}_0 = \begin{pmatrix} 0 \\ 3 \end{pmatrix}, \vec{a} = \begin{pmatrix} 3 \\ 1 \end{pmatrix}$

$d_1 = ? \quad \vec{n} = ? \quad \vec{e}_n = ?$

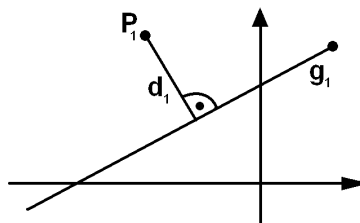
$x_0 = ?, y_0 = ?$



Probl. 2 $\vec{r} = \begin{pmatrix} 0 \\ 3 \end{pmatrix} + t \cdot \begin{pmatrix} 3 \\ 1 \end{pmatrix}$

$P_1 = P_1(-5, 6)$

$d_1 = ?$



Probl. 3 $\Phi : \vec{r} = \begin{pmatrix} 2 \\ 4 \\ 5 \end{pmatrix} + \lambda \cdot \begin{pmatrix} -4 \\ 3 \\ 0 \end{pmatrix} + \mu \cdot \begin{pmatrix} 0 \\ -2 \\ 5 \end{pmatrix}$

$\vec{n} = ? \quad (|\vec{n}| = 1)$

$d = ? \quad x_0, y_0, z_0 = ?$

$V = ?$

