LinA Test (1) David Pape 01634454

(Axion8) \(\lambda, y \in \mathbb{R} : \tau \times \mathbb{R}^2 : \lambda + y \times \pi \times + y \times

Aber
$$(\lambda + y) \circ x = x \neq 2x = x + x = \lambda x + y x$$

$$a = \begin{pmatrix} 3 \\ 1 \\ 2 \end{pmatrix} \qquad b = \begin{pmatrix} -6 \\ -2 \\ -4 \end{pmatrix} \qquad c = \begin{pmatrix} 4 \\ 5 \\ 4 \end{pmatrix}$$

Sei dza cine turiale Linearkombination von a, b, c.

Non CIN(a,b,e,d) = LIN(a,c)
Wir lösen
$$\chi_1 \alpha + \chi_2 c = e = \begin{pmatrix} 5 \\ 2 \\ 2 \end{pmatrix}$$

$$\begin{pmatrix} 3 & c_1 & 5 \\ 9 & 5 & 2 \\ 2 & c_2 & -c_4 \end{pmatrix}$$
The angle $\chi_1 \alpha + \chi_2 c = e = \begin{pmatrix} 5 \\ 2 \\ 2 \end{pmatrix}$