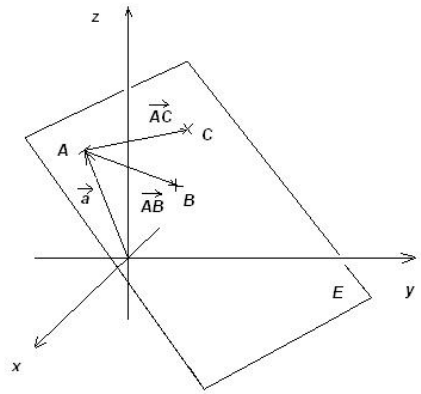
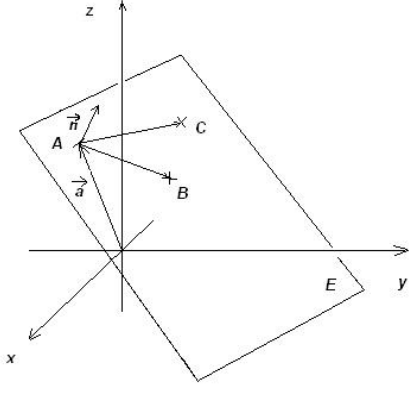
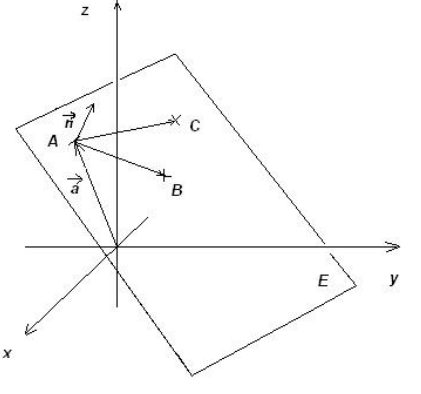


Ebenengleichungen

	Parameterform	Koordinatenform	Normalform
Grafik			
Gleichung	$\vec{x} = \vec{a} + r \vec{AB} + s \vec{AC}$ <p>\vec{a} – Stützvektor \vec{AB}, \vec{AC} – Richtungsvektoren</p> $\vec{x} = \begin{pmatrix} 2 \\ 0 \\ 5 \end{pmatrix} + r \begin{pmatrix} -2 \\ 1 \\ 1 \end{pmatrix} + s \begin{pmatrix} -2 \\ 4 \\ 0 \end{pmatrix}$	$ax + by + cz = d$ <p>$\vec{n} = \begin{pmatrix} a \\ b \\ c \end{pmatrix}$ – Normalenvektor</p> $2x + y + 3z = 19$ <p>$\vec{n} = \begin{pmatrix} 2 \\ 1 \\ 3 \end{pmatrix}$</p>	$\vec{n} \cdot [\vec{x} - \vec{a}] = 0$ <p>\vec{n} – Normalenvektor \vec{a} – Stützvektor</p> $\begin{pmatrix} 2 \\ 1 \\ 3 \end{pmatrix} \cdot \left[\vec{x} - \begin{pmatrix} 2 \\ 0 \\ 5 \end{pmatrix} \right] = 0$