

1	Oppgave 129
2	$r_l := (4, 1, -1)$ $\rightarrow \begin{pmatrix} 4 \\ 1 \\ -1 \end{pmatrix}$
3	$r_m := (-2, 2, 3)$ $\rightarrow \begin{pmatrix} -2 \\ 2 \\ 3 \end{pmatrix}$
4	$r_l \otimes r_m$ $\rightarrow \begin{pmatrix} 5 \\ -10 \\ 10 \end{pmatrix}$
5	Ikke parallelle, ellers ville vektorproduktet vært null-vektor.
6	$\cos(x^\circ) = r_l \cdot r_m / (\text{Lengde}[r_l] \text{Lengde}[r_m])$ NLøs: $\{x = -120.96, x = 120.96\}$
7	$180 - 120.96$ $\approx \mathbf{59.04}$
8	$4t + 1 = -2s - 2$ $\rightarrow \mathbf{4t + 1 = -2s - 2}$
9	$t - 1 = 2s + 1$ $\rightarrow \mathbf{t - 1 = 2s + 1}$

10	<p>Løs[{\$8, \$9},{s, t}]</p> <p>→ $\left\{ \left\{ s = -\frac{11}{10}, t = -\frac{1}{5} \right\} \right\}$</p>
11	<p>Ligning for z-komponent:</p>
12	<p>vs:=(-1/5)+1</p> <p>→ $\frac{6}{5}$</p>
13	<p>hs:=3 (-11/10)</p> <p>→ $-\frac{33}{10}$</p>
14	<p>Stemmer ikke for z-komponent; Ingen skjæringspunkter.</p>