

1	A:=(1,1,1)
<input checked="" type="radio"/>	→ (1, 1, 1)
2	B:=(5,-1,0)
<input checked="" type="radio"/>	→ (5, -1, 0)
3	C:=(9,6,5)
<input checked="" type="radio"/>	→ (9, 6, 5)
4	AB:=Vektor[A,B]
<input checked="" type="radio"/>	→ $\begin{pmatrix} 4 \\ -2 \\ -1 \end{pmatrix}$
5	AC:=Vektor[A,C]
<input checked="" type="radio"/>	→ $\begin{pmatrix} 8 \\ 5 \\ 4 \end{pmatrix}$
6	BC:=Vektor[B,C]
<input checked="" type="radio"/>	→ $\begin{pmatrix} 4 \\ 7 \\ 5 \end{pmatrix}$
7	BC
<input type="radio"/>	→ $3\sqrt{10}$
8	AB*AC/(AB * AC)
<input type="radio"/>	→ $\sqrt{5} \cdot 6 \cdot \frac{1}{35}$

9	$\cos(x^\circ) = \sqrt{5} \cdot 6 \cdot (1)$
<input type="radio"/>	NLøs: $\{x = -67.46, x = 67.46\}$
10	$AB \cdot BC$
<input type="radio"/>	$\rightarrow -3$
11	$OD := \text{Vektor}[A] + BC$
<input checked="" type="radio"/>	$\rightarrow (5, 8, 6)$
12	$D := (5, 8, 6)$
<input checked="" type="radio"/>	$\rightarrow (5, 8, 6)$
13	$OM := (\text{Vektor}[B] + \text{Vektor}[C]) / 2$
<input checked="" type="radio"/>	$\rightarrow \left(7, \frac{5}{2}, \frac{5}{2}\right)$
14	$u := AB + k \cdot BC$
<input type="radio"/>	$\rightarrow \begin{pmatrix} 4k + 4 \\ 7k - 2 \\ 5k - 1 \end{pmatrix}$
15	$e_y := (0, 1, 0)$
<input checked="" type="radio"/>	$\rightarrow \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}$
16	$u \otimes e_y$
<input type="radio"/>	$\rightarrow \begin{pmatrix} -5k + 1 \\ 0 \\ 4k + 4 \end{pmatrix}$

17 <input type="radio"/>	Løs[-5k → $\left\{ k = \frac{1}{5} \right\}$
18 <input type="radio"/>	Løs[4 k+4=0 → $\{ k = -1 \}$
19	v:=AB+IBC → $\begin{pmatrix} 4l + 4 \\ 7l - 2 \\ 5l - 1 \end{pmatrix}$
20	v*AC=0 → $87l + 18 = 0$
21 <input type="radio"/>	Løs[\$20] → $\left\{ l = -\frac{6}{29} \right\}$
22 <input checked="" type="radio"/>	AD:=Vektor[A,D] → $\begin{pmatrix} 4 \\ 7 \\ 5 \end{pmatrix}$
23 <input checked="" type="radio"/>	AE:=AD*AB/AB²AB → $\begin{pmatrix} -\frac{4}{7} \\ \frac{2}{7} \\ \frac{1}{7} \end{pmatrix}$

24	$\sqrt{AD^2 - AE^2}$ $\rightarrow \frac{1}{7} \sqrt{4389}$
25	$A_1 = \sqrt{AB^2 AD^2 - (AB \cdot AD)^2} / 2$ $\rightarrow \frac{3}{2} \sqrt{209}$
26	$A_2 = AB \sqrt{4389} / 7 / 2$ $\rightarrow \frac{3}{2} \sqrt{209}$
27	