

parameters	value	description
\mathbf{m}_{10}	$\begin{pmatrix} 1 \\ -3 \end{pmatrix}$	AD_1
\mathbf{n}_{10}	$\begin{pmatrix} 3 \\ 1 \end{pmatrix}$	
c_{10}	-10	
\mathbf{m}_{11}	$\begin{pmatrix} -3 \\ -1 \end{pmatrix}$	BE_1
\mathbf{n}_{11}	$\begin{pmatrix} 1 \\ -3 \end{pmatrix}$	
c_{11}	0	
\mathbf{m}_{12}	$\begin{pmatrix} 4 \\ -2 \end{pmatrix}$	CF_1
\mathbf{n}_{12}	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$	
c_{12}	-10	
\mathbf{O}	$\begin{pmatrix} -3 \\ -1 \end{pmatrix}$	Circumcentre
$\ \mathbf{O} - \mathbf{A}\ $	2.24	$OA = OB = OC = R$
$\ \mathbf{O} - \mathbf{B}\ $		
$\ \mathbf{O} - \mathbf{C}\ $		
R		
$\angle BOC$	90°	$\angle BOC = 2\angle BAC$
$\angle BAC$	45°	
$\angle AOC$	90°	$\angle AOC = 2\angle ABC$
$\angle ABC$	45°	
$\angle AOB$	180°	$\angle AOB = 2\angle BCA$
$\angle BCA$	90°	