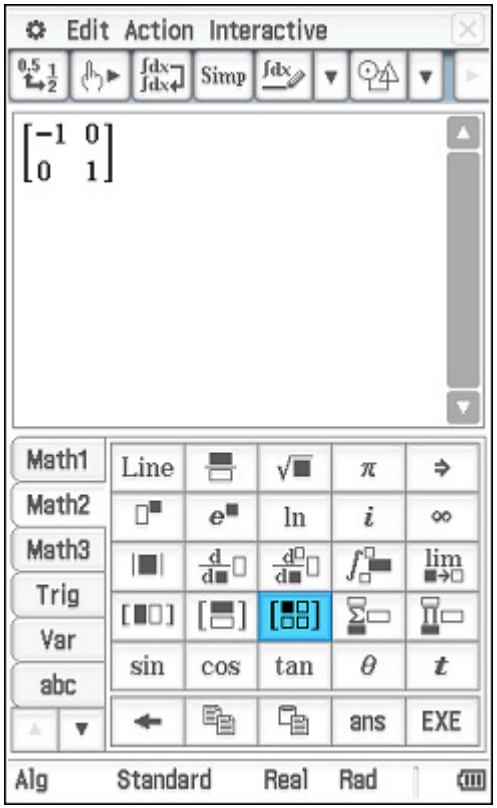
ClassPad II Help Series	Casio Education Australia - supporting Australian teachers	www.casio.edu.shriro.com.au	Author	Charlie Watson
CP770	Apply Matrix Transformation		Date	April 2015
			CPII OS	02.00.2000.0000

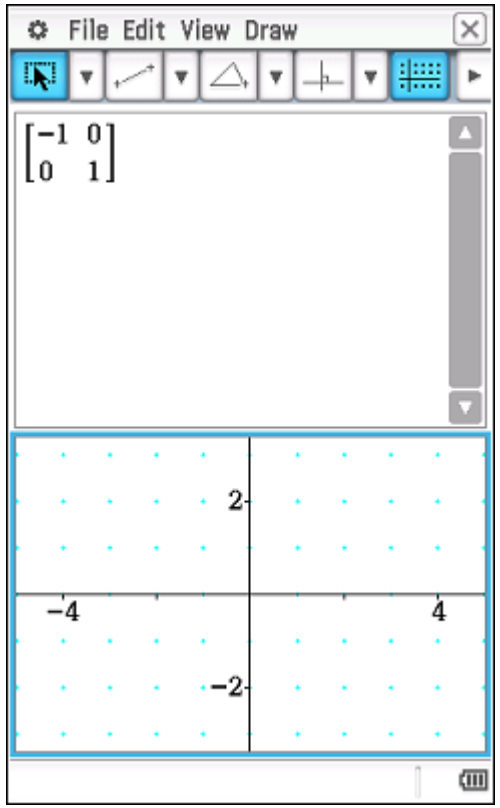
Transform triangle A(1, 2) B(4, 0) C(4, 2)

with the matrix $\begin{bmatrix} -1 & 0 \\ 0 & 1 \end{bmatrix}$.

Enter the matrix in Main.

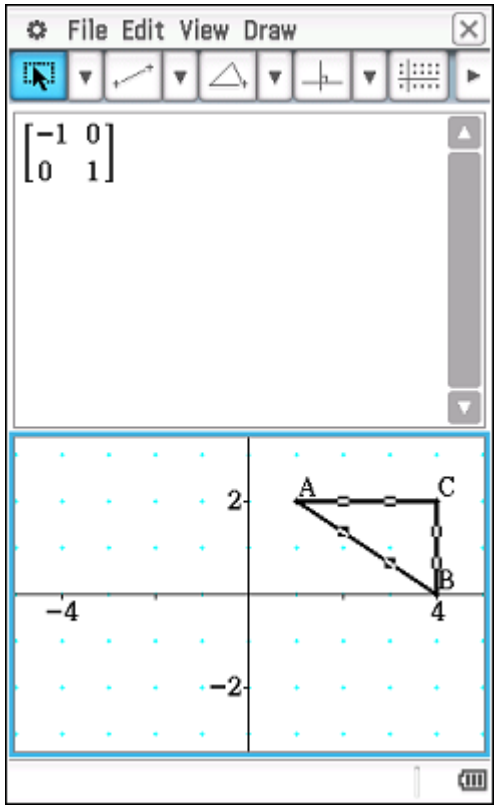


Open a Geometry window from Main, add axes and grid.



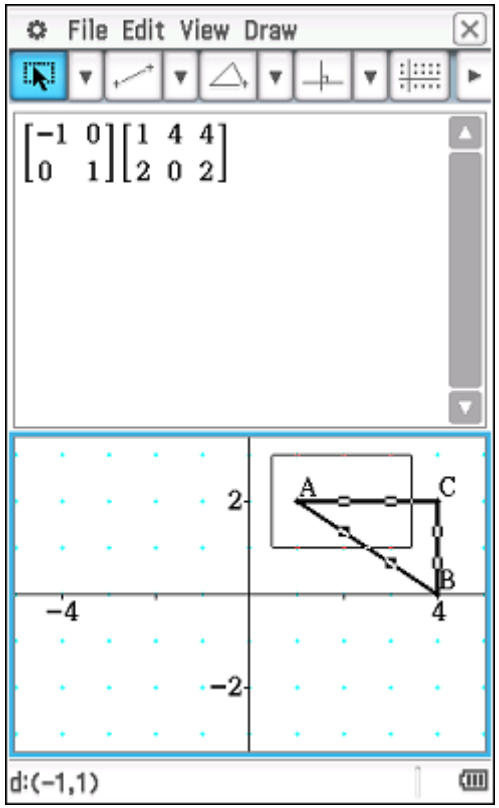
Select the **line segment** tool and draw the three sides of the triangle.

Use the **select** tool to select each of the three sides of the triangle.



Drag the shape from the geometry window into the cursor box in Main, and then release.

The vertices are arranged in a matrix.



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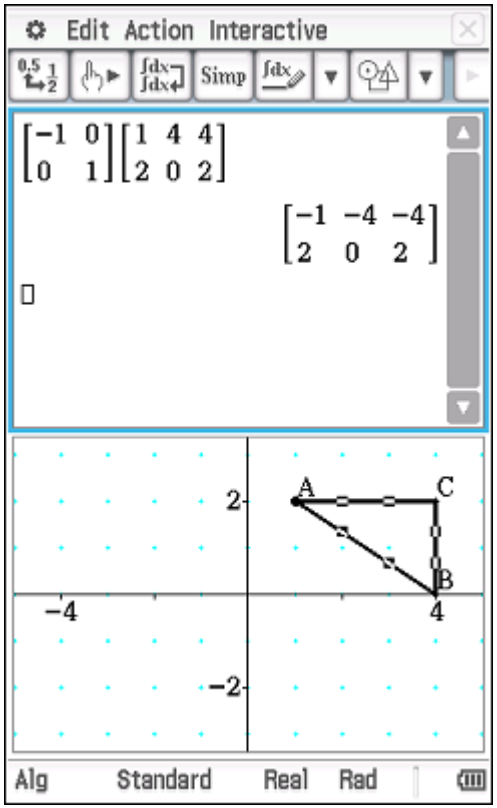
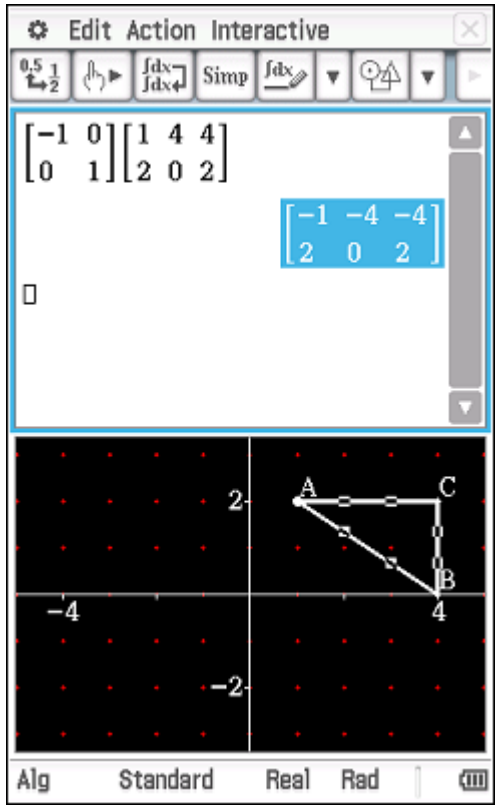
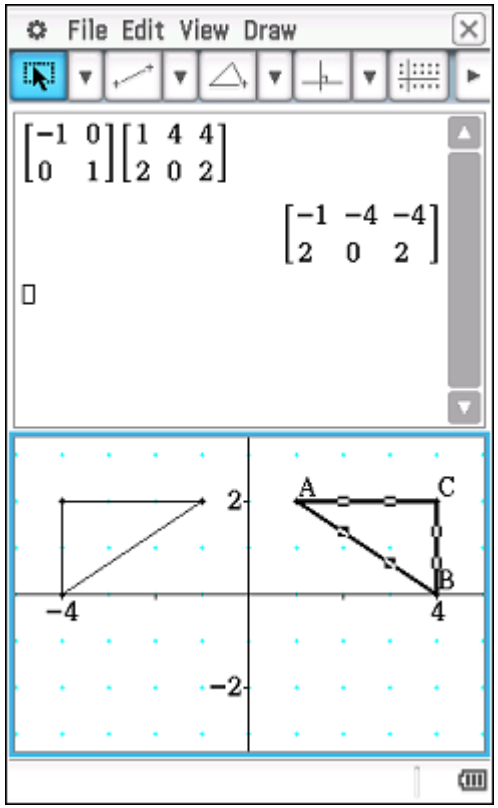
Tap on the matrix result to select it.



Drag the selected matrix back into the middle of the Geometry window and release.



The image is drawn - in this case a reflection in the *y*-axis.



Note that in Geometry alone, matrix transformations can be applied to a selected object using the **Draw, Construct, General Transform** tool.