

Determine the matrix representing a clockwise 90° rotation about the origin.

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

Select the point tool and add a point at A(0, 0) and at B(2, 1).

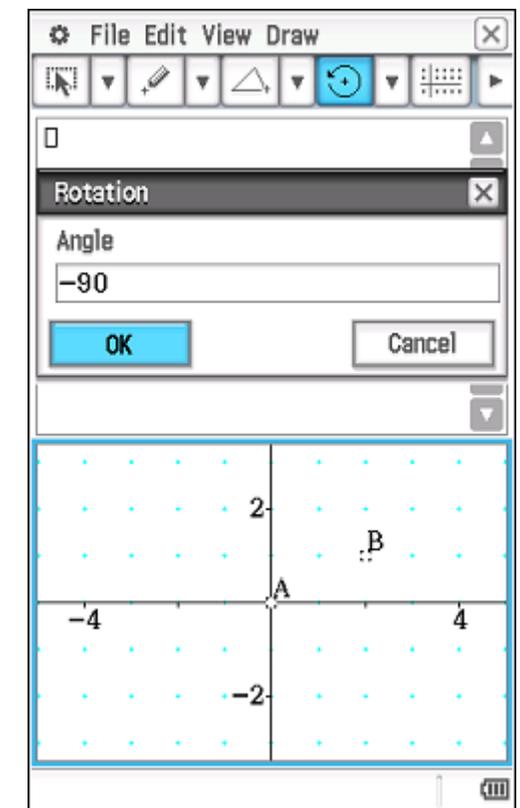
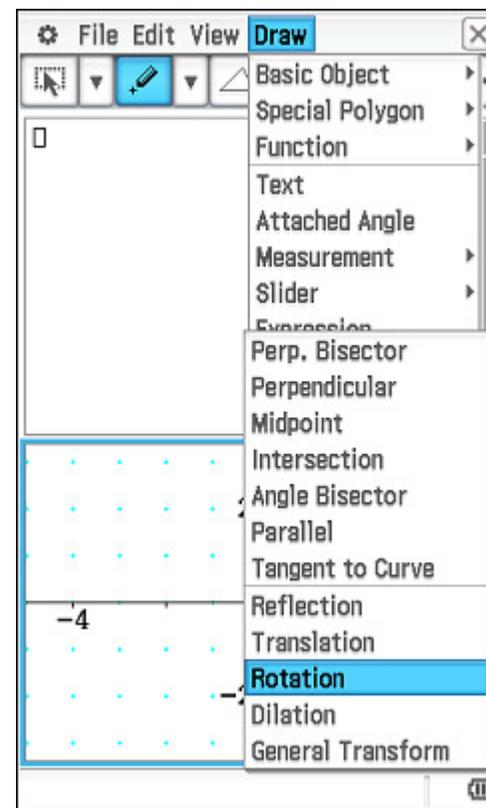
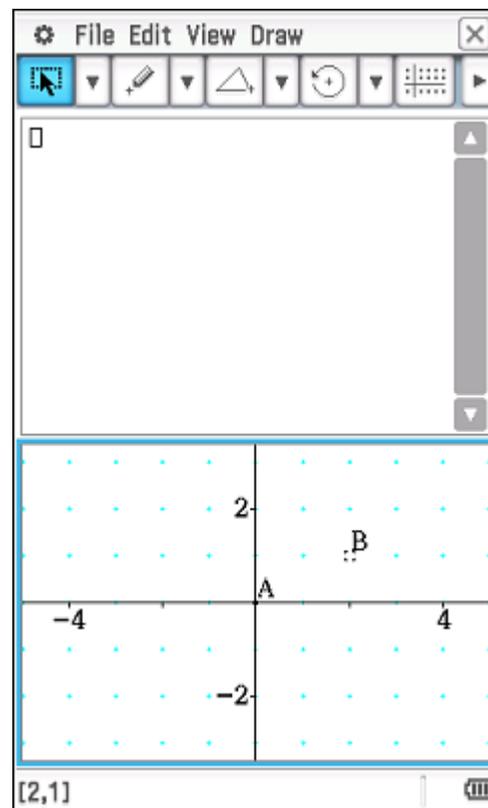
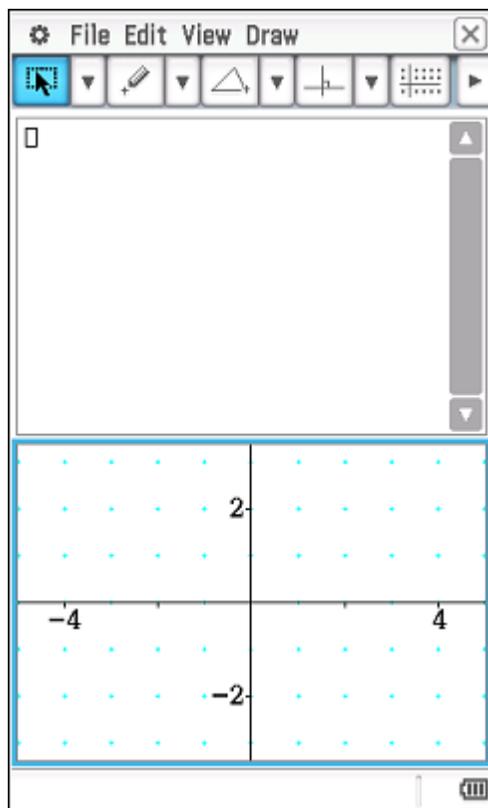
Choose the **select** tool and tap on B to select it.

Tap **Draw, Construct, Rotation**.

Tap on the rotation centre, A.

The Rotation box opens.

Enter -90 and tap **OK**.



Tap onto B' so that now both image and object are selected.

Tap **EXE** to see the mapping.

The image is plotted at B'(1, -2).

Tap back onto B, drag the points into the cursor box in Main and release.

The matrix transformation is displayed.

$$x \rightarrow y$$

$$y \rightarrow -x$$

