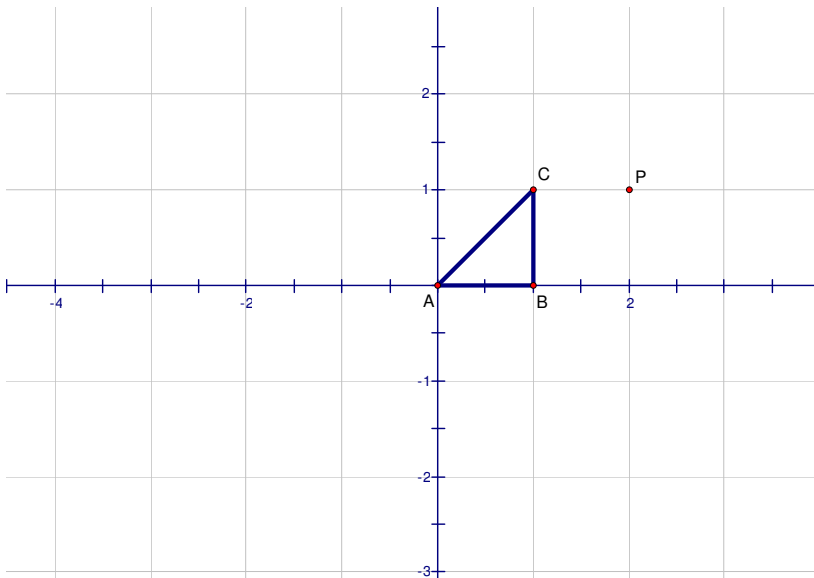


MATH 406 Session #31 (Section 4.5)

Consider the following transformation of E^2 onto E^3 .

Rotate through 30° about $\begin{bmatrix} 2 \\ 1 \\ 1 \end{bmatrix}$.

Sketch the image of $\triangle ABC$ under that transformation.



Represent the transformation with a matrix.

Show how to use matrix methods to calculate the image of $\triangle ABC$ under that transformation.