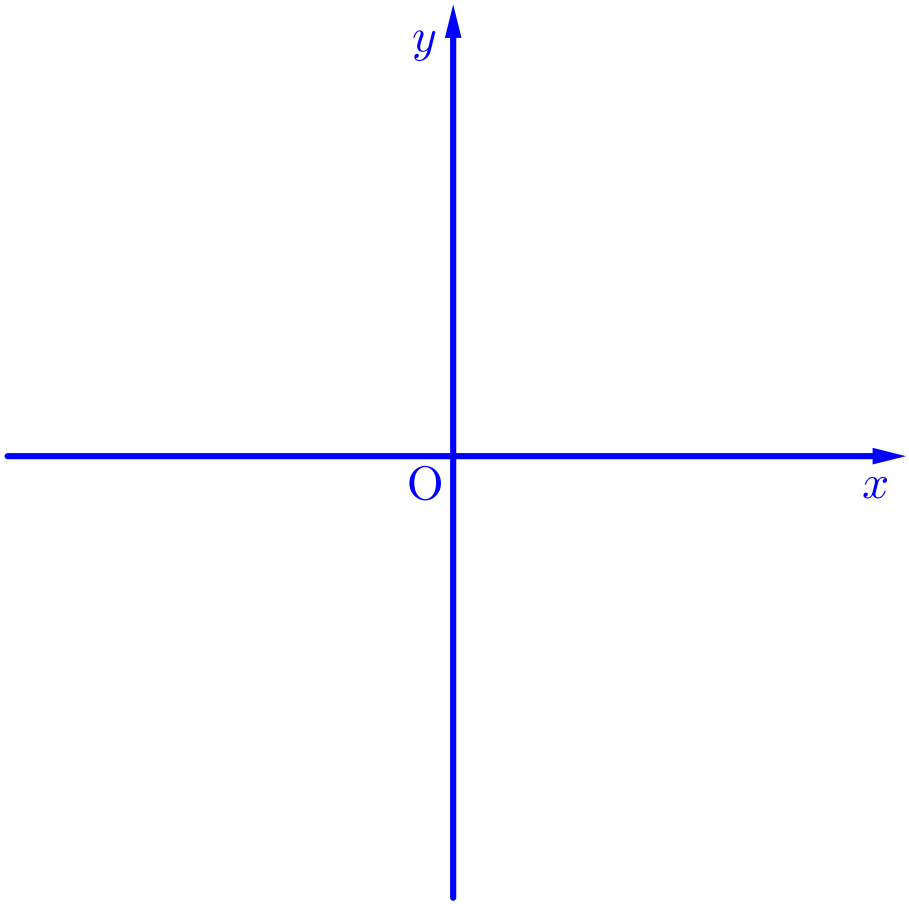
일차변환과 영역 x축 대칭
(Linear transformation and domain x-axis symmetry)

Linear transformation and domain x-axis symmetry

Start End

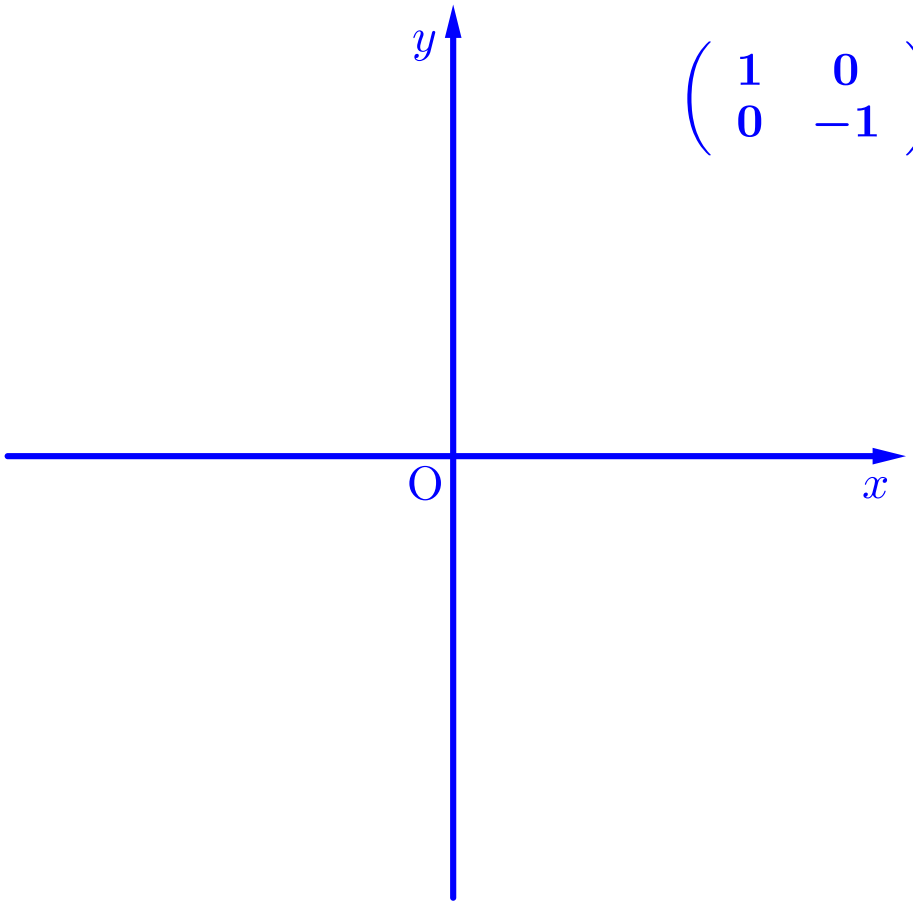
Linear transformation and domain x-axis symmetry

Start End



Linear transformation and domain x-axis symmetry

Start End



$$\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix}$$

Linear transformation and domain x-axis symmetry

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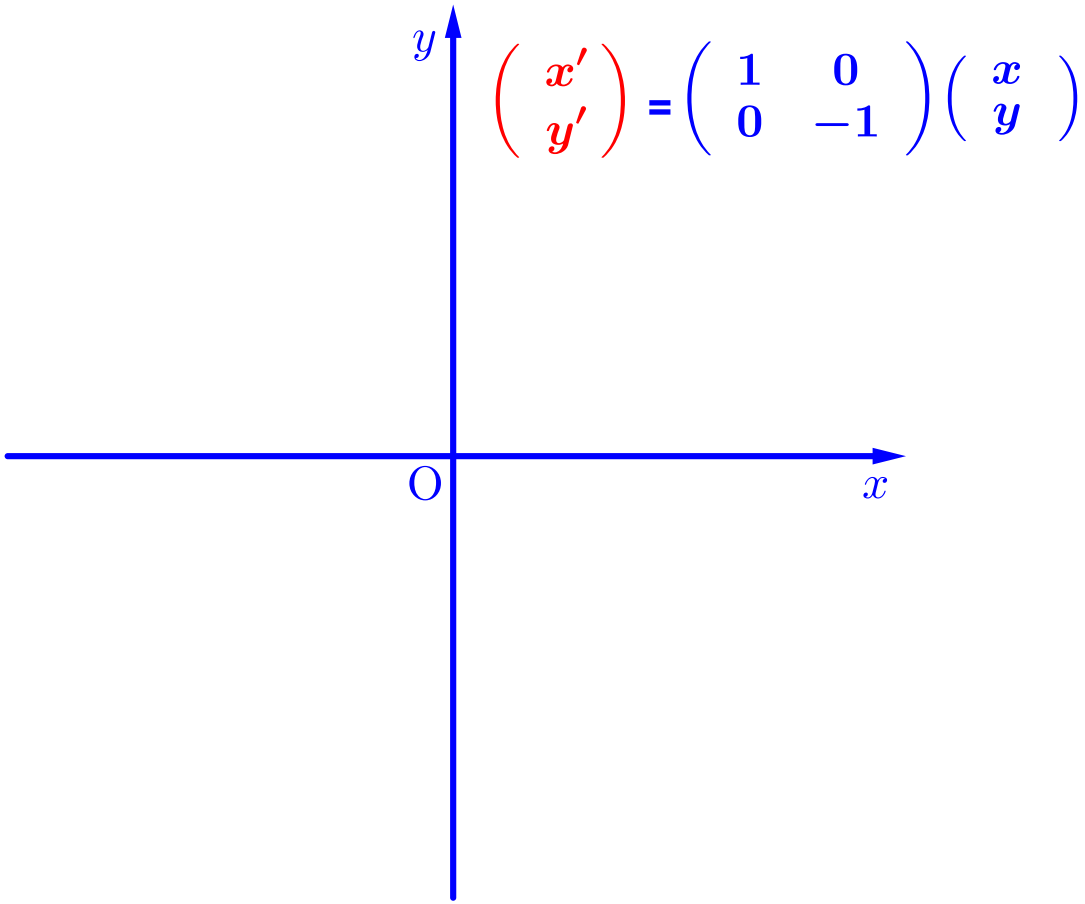
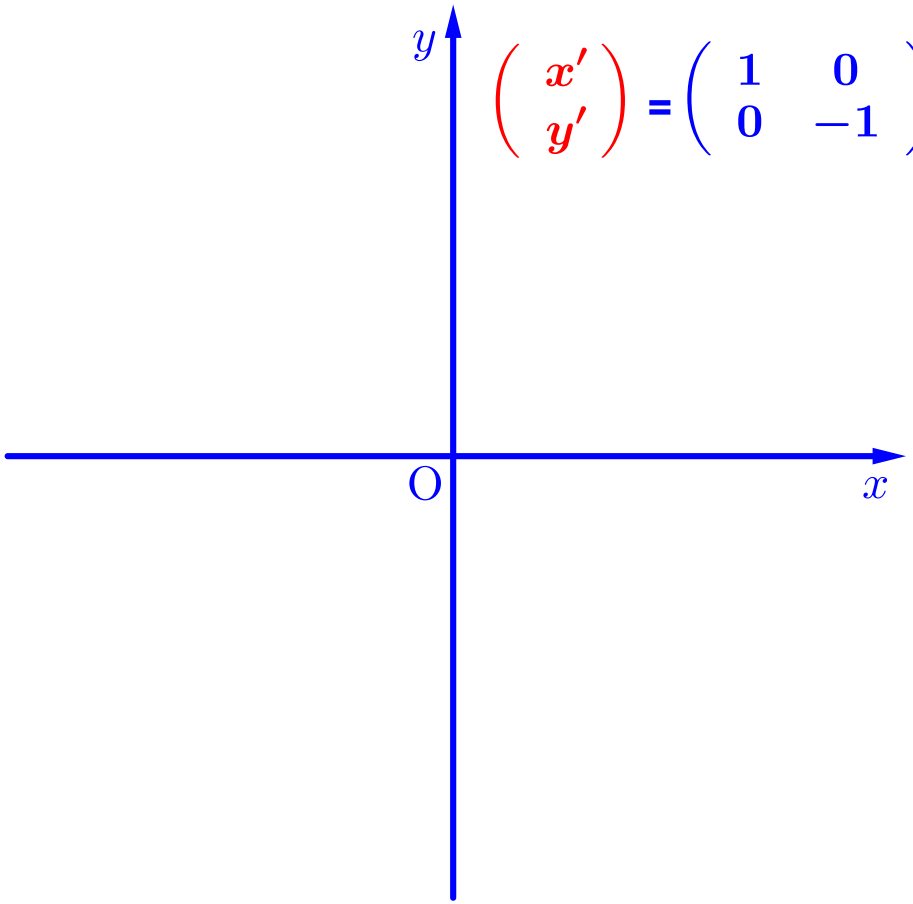


$$\begin{pmatrix} x' \\ y' \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix}$$

Linear transformation and domain x-axis symmetry

Start End



$$\begin{pmatrix} x' \\ y' \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} (1 \times x) + (0 \times y) \\ (0 \times x) + (-1 \times y) \end{pmatrix}$$

Linear transformation and domain x-axis symmetry

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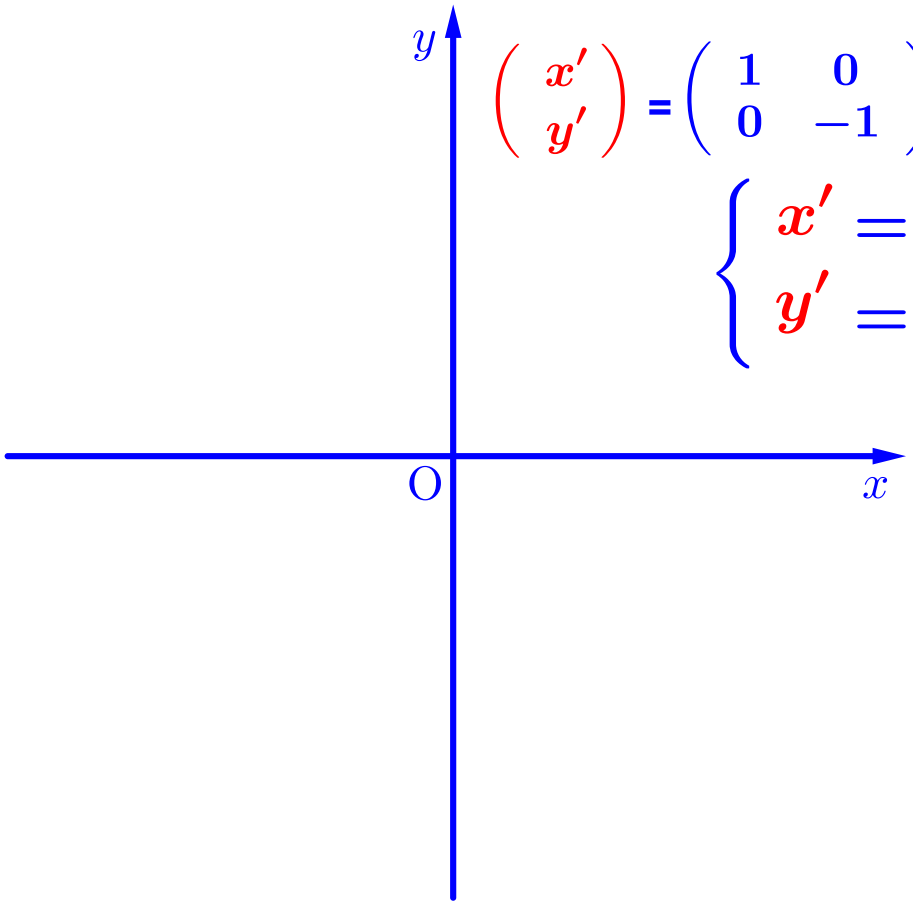

$$\begin{pmatrix} x' \\ y' \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} (1 \times x) + (0 \times y) \\ (0 \times x) + (-1 \times y) \end{pmatrix}$$

$$\begin{cases} x' = (1 \times x) + (0 \times y) \\ y' = (0 \times x) + (-1 \times y) \end{cases}$$

Linear transformation and domain x-axis symmetry

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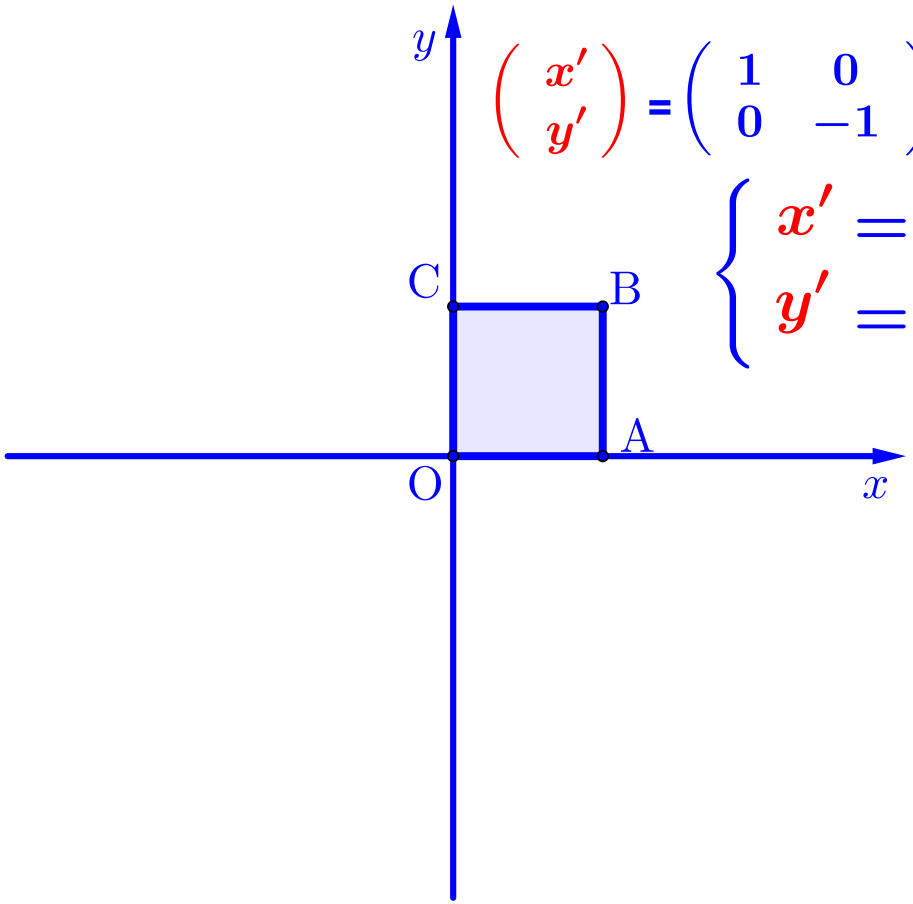

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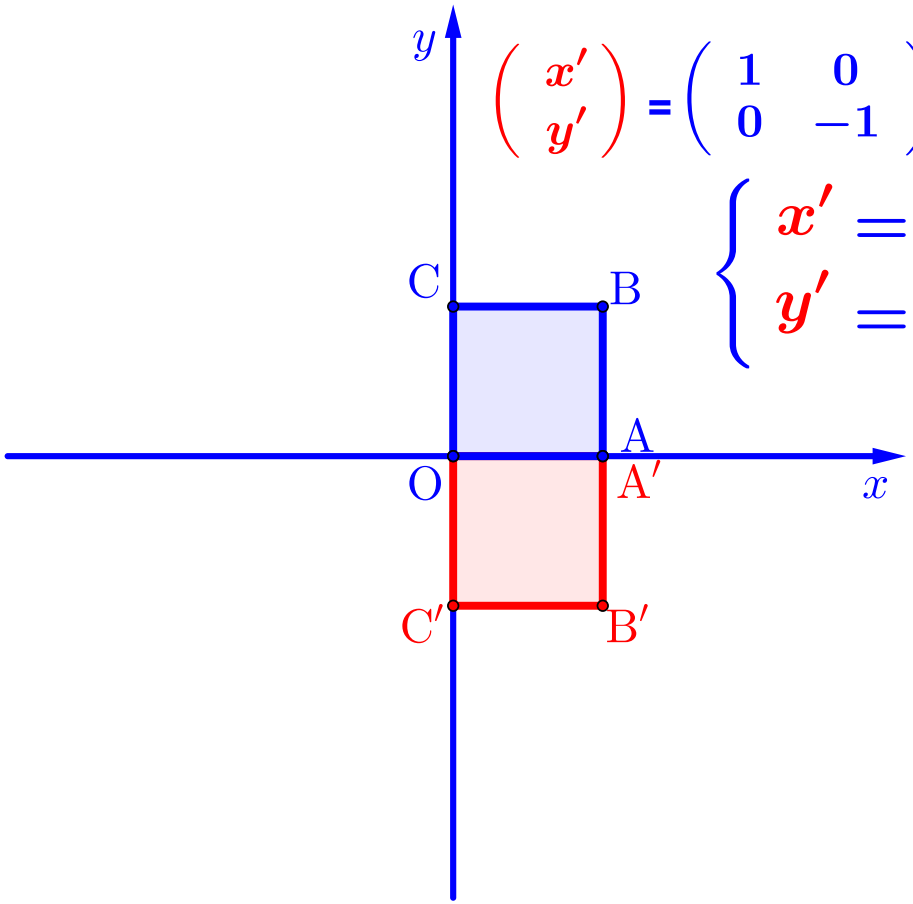

$$\begin{pmatrix} x' \\ y' \end{pmatrix} = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} (1 \times x) + (0 \times y) \\ (0 \times x) + (-1 \times y) \end{pmatrix}$$

$$\begin{cases} x' = (1 \times x) + (0 \times y) \\ y' = (0 \times x) + (-1 \times y) \end{cases}$$

Github:
https://min7014.github.io/math20230405001.html

Click or paste URL into the URL search bar,
and you can see a picture moving.