$$T(\mathbf{x}) = A\mathbf{x}, \text{ with } A = \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix}$$
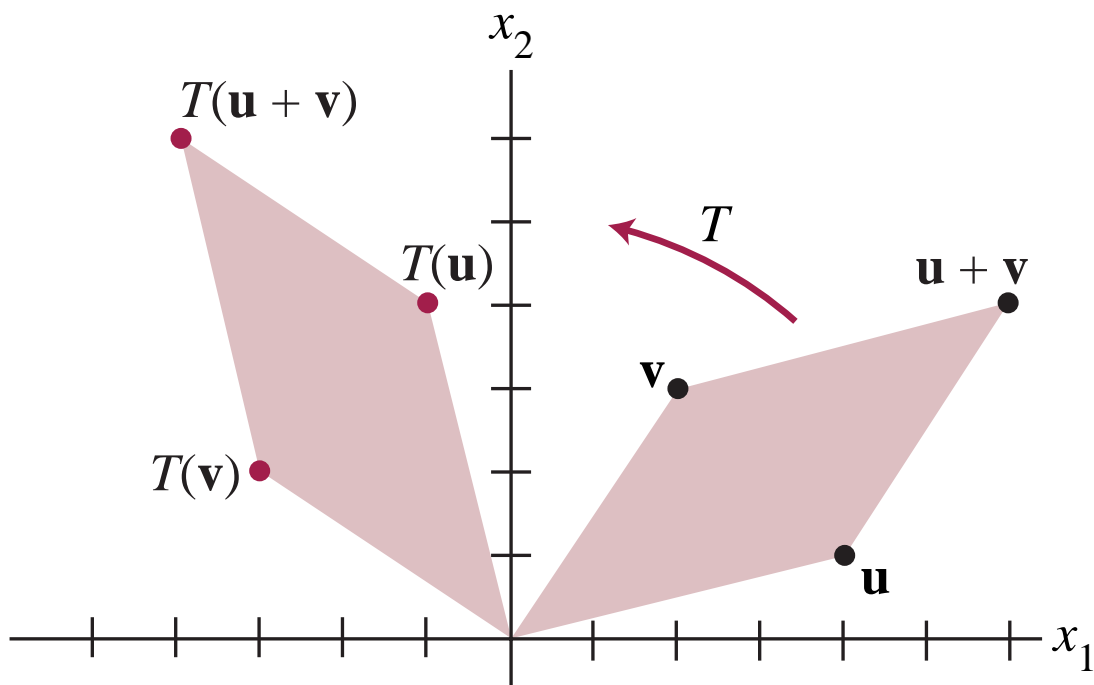

FIGURE 6   A rotation transformation.