

Name: _____

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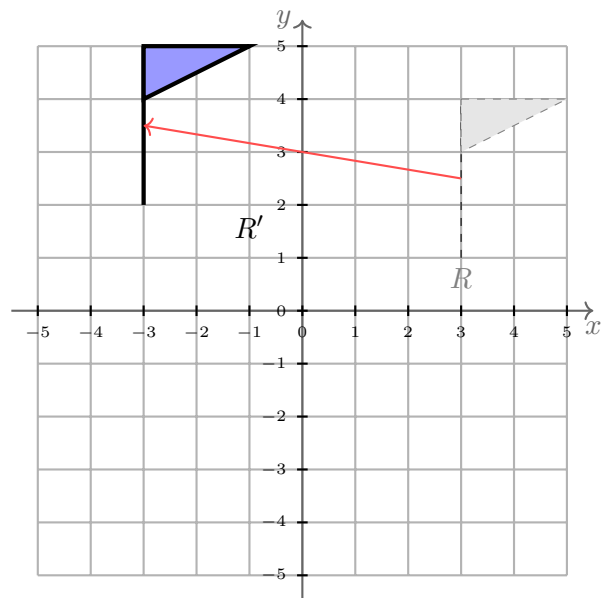
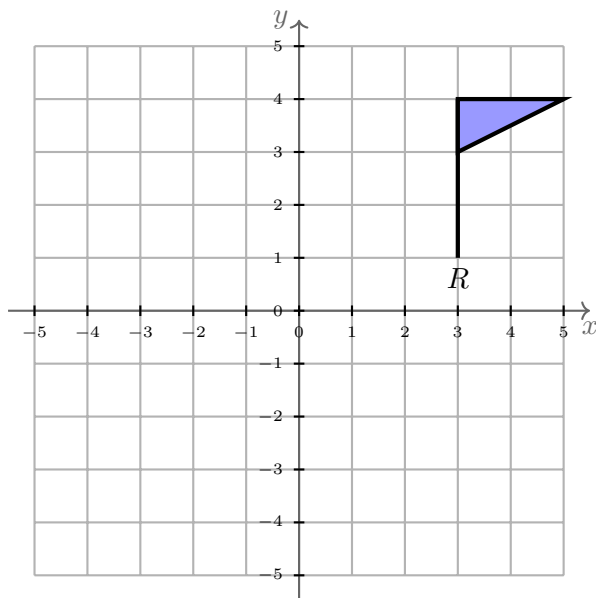
Identifying Transformations

A *rigid transformation* is a geometric modification that moves a figure without changing its size or shape.

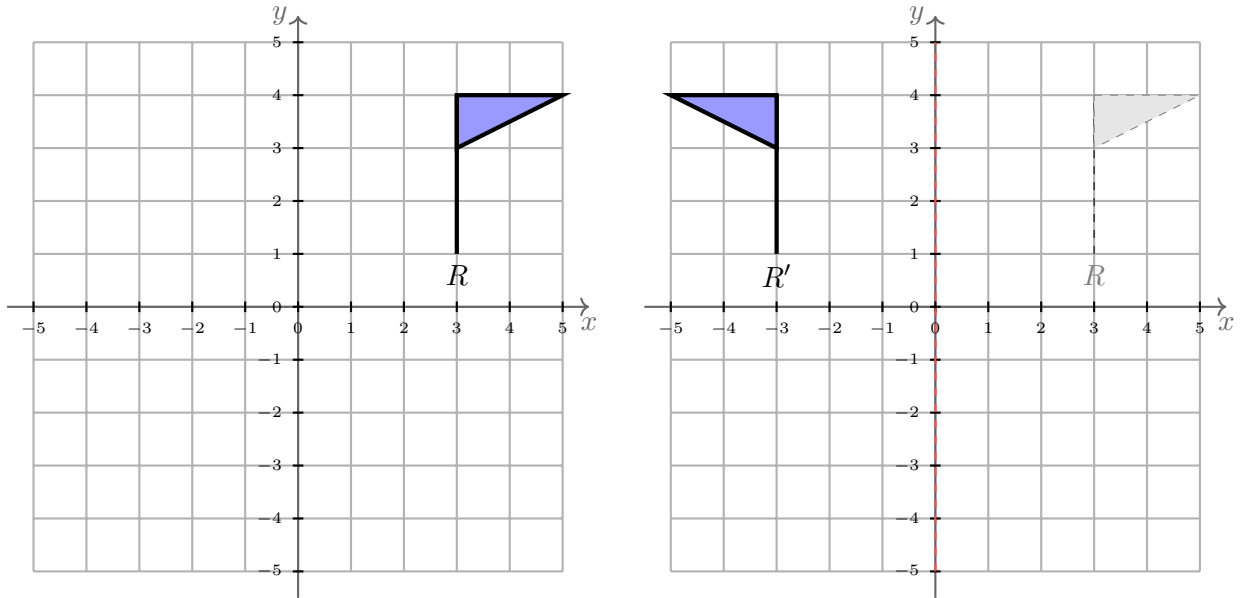
There are three types of rigid transformations:

- Translation (i.e. moving)
- Reflection
- Rotations

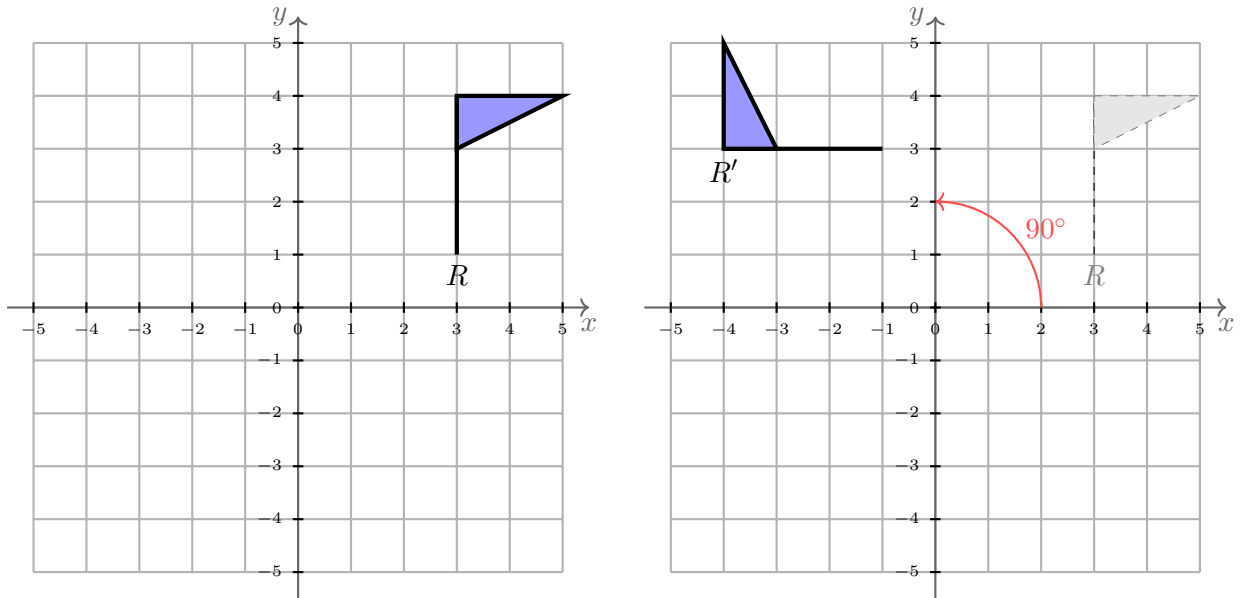
Example 1. Translating 6 left and 1 up:



Example 2. Reflecting across the y -axis:

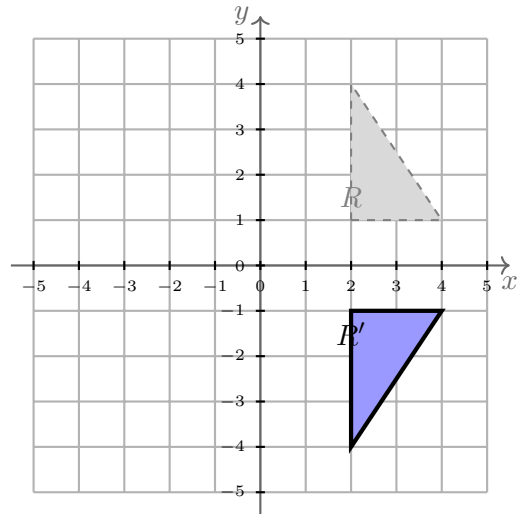
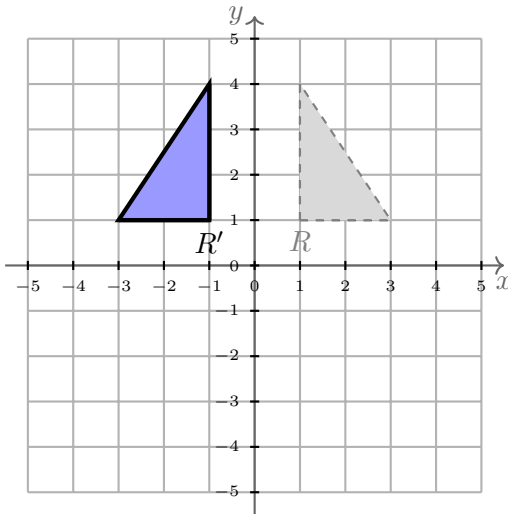


Example 3. Rotating 90° counterclockwise about the origin:

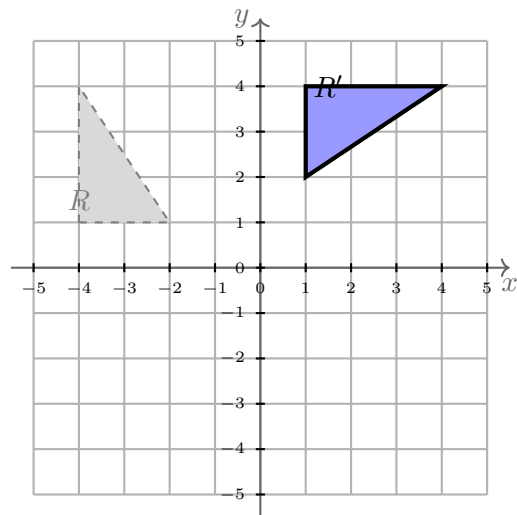
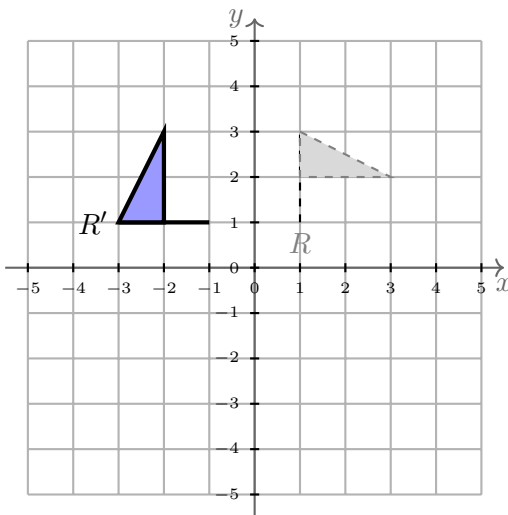


1. Identify the rigid transformation that maps figure R to figure R' in each diagram. Describe the transformation in detail.

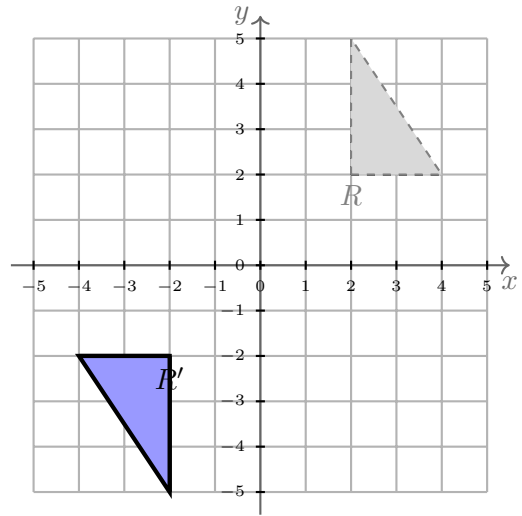
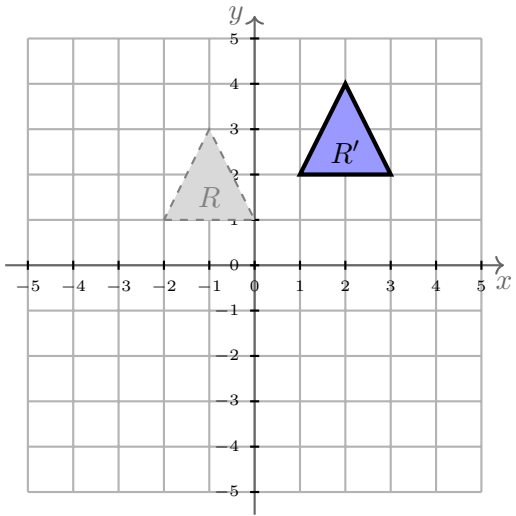
(a) (2 points)



(b)



(c)



(d)

