Rigid Transformation
Rotation

Rigid transformation: A movement that *preserves* the ***distance*** and ***angle measures*** of a shape. That is, it *preserves* the *size* and *shape* of the pre-image to the image.

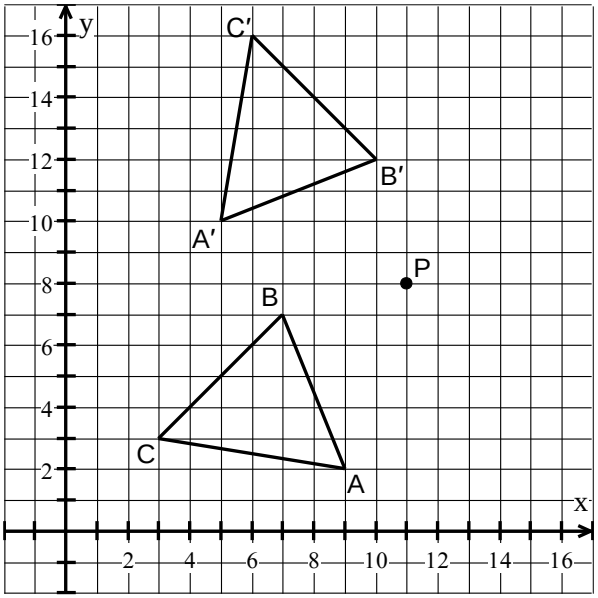
Rotation: A transformation that moves a set of points along_____ through _____ around a _____.

A rotation is specifically described by BOTH the _____ and _____ of the turn around a specific _____.

Segments connecting corresponding points of the pre-image and image to _____:

- _____
- _____

ΔABC is rotated 90° clockwise about point P.



Example: Rotate ΔABC 90° counterclockwise about (4, 2) and list the new vertices.

A′ :_____

B′ :_____

C′ :_____