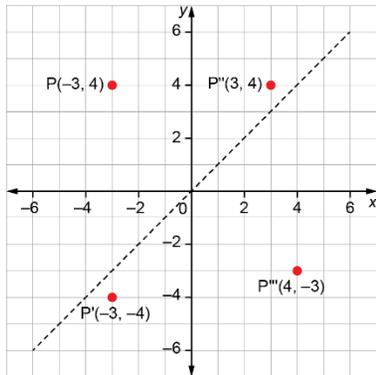


Activity 3 Assessment

Reflecting and Rotating 2-D Shapes on a Cartesian Plane

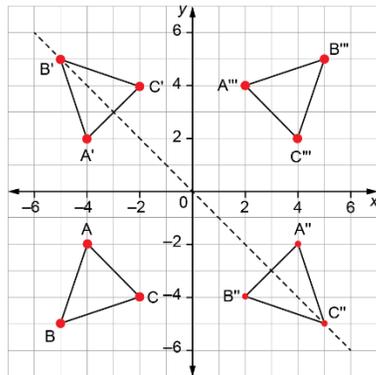
Reflecting and Rotating 2-D Shapes on a Cartesian Plane

Reflects a point in the x -axis, in the y -axis, and in a diagonal line



P' is the image of P after a reflection in the x -axis.
 P'' is the image of P after a reflection in the y -axis.
 P''' is the image of P after a reflection in a diagonal line through the origin.

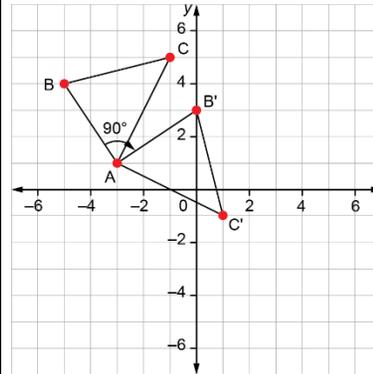
Reflects a shape and relates the vertices of each image to the shape



$\Delta A'B'C'$ is the image of ΔABC after a reflection in the x -axis.
 $\Delta A''B''C''$ is the image of ΔABC after a reflection in the y -axis.
 $\Delta A'''B'''C'''$ is the image of ΔABC after a reflection in a diagonal line through the origin.

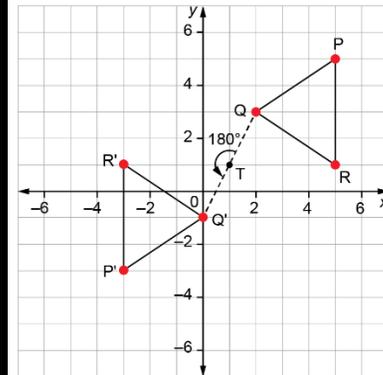
Each vertex of the image is the same distance from the reflection line as its corresponding vertex on the shape.

Rotates a shape about a vertex



$\Delta A'B'C'$ is the image of ΔABC after a clockwise rotation of 90° about vertex A .

Rotates a shape about a point outside the shape



$\Delta P'Q'R'$ is the image of ΔPQR after a rotation of 180° about point T .

Activity 3 Assessment

Reflecting and Rotating 2-D Shapes on a Cartesian Plane

Observations/Documentation

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