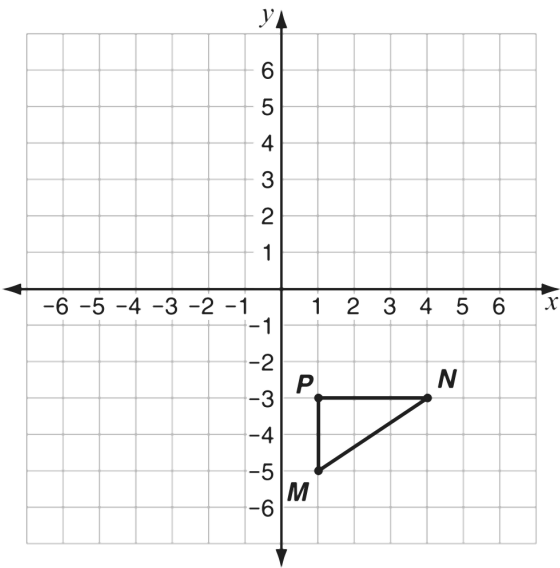


Rotation HW

Name: _____

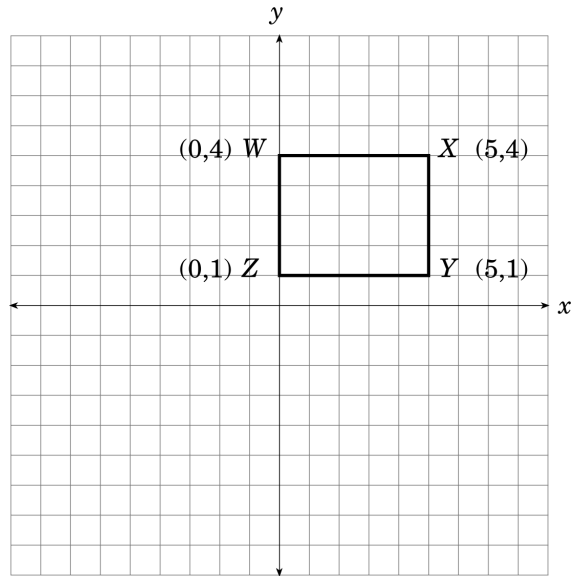
Date: _____

1. Look at triangle MNP .

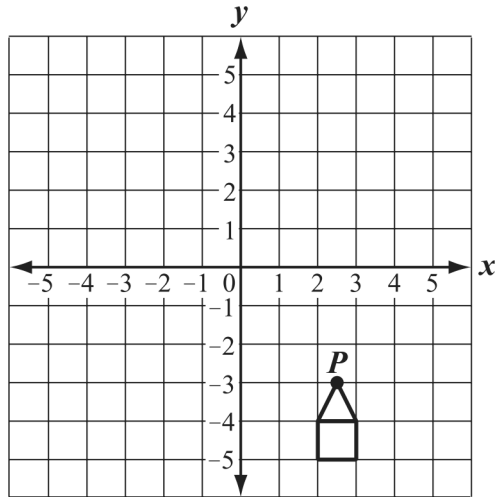


What are the coordinates of the image of point N after a 180° clockwise rotation about point P ?

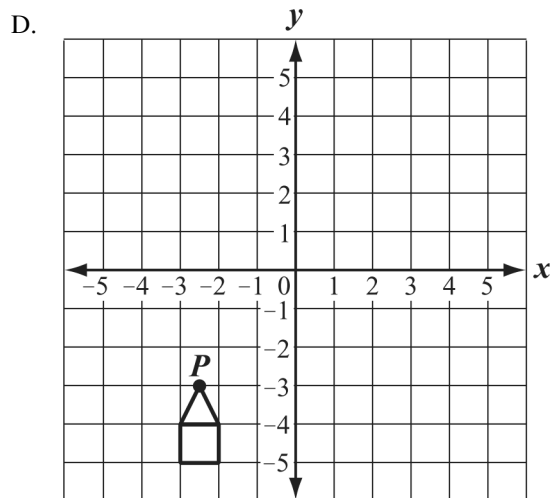
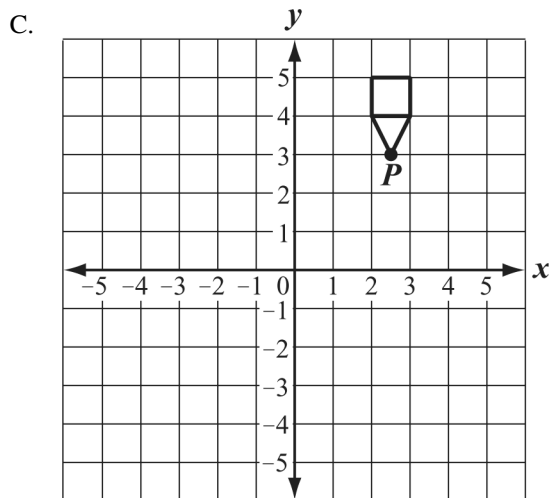
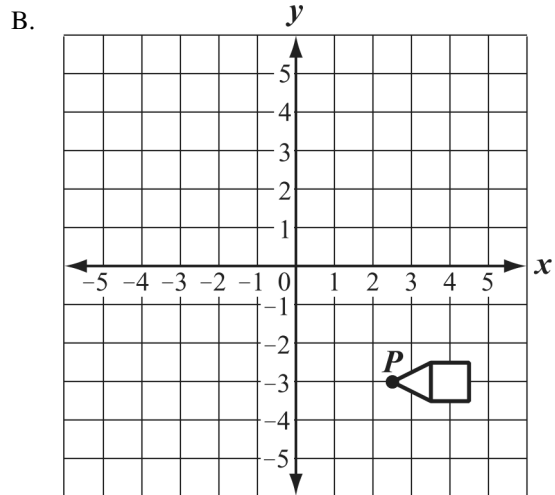
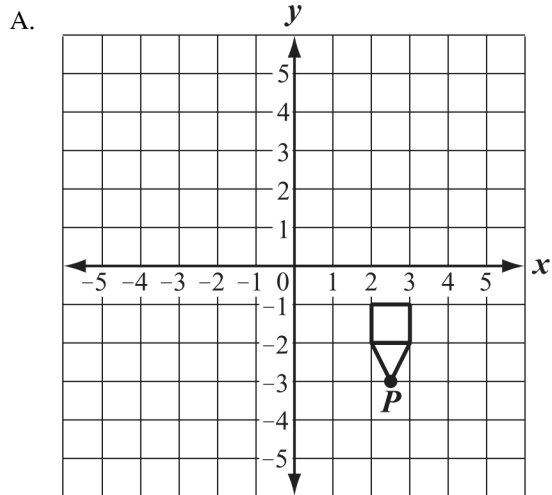
2. If $WXYZ$ were rotated 180° about point Z , what would be the coordinates of point Y' ?



3. Seth drew a figure on a coordinate grid and labeled one point P , as shown below.



He then rotated the figure 180° clockwise around point P . Which of the following shows the figure after Seth rotated it?



4. Figure $LMNO$ is shown below.

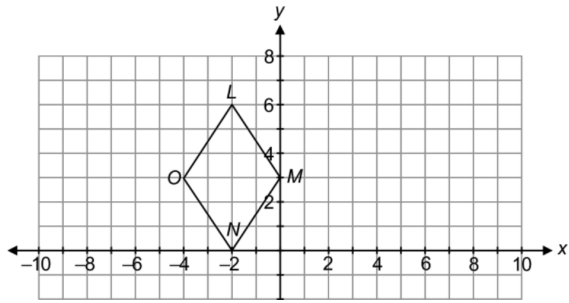


Figure $L'M'N'O'$ will be created by rotating figure $LMNO$ 90° clockwise about point M .

What will be the coordinates of point L' ?

5. Polygon A will be rotated counter-clockwise 90° about point P to form polygon A' .

