

9.2 Rotations

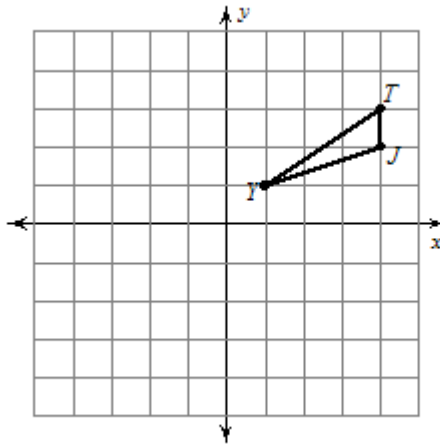
9.2 Rotations



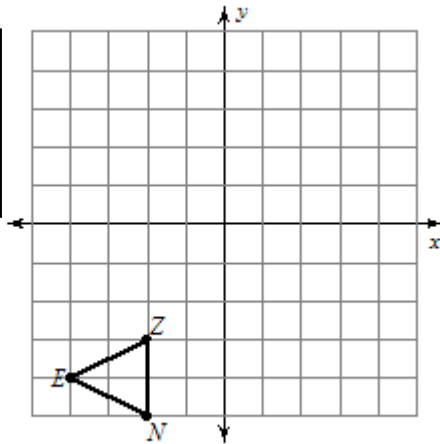
Perform the following rotations. Be sure to give the coordinates of the image.

1. Rotate 90° Clockwise

2. Rotate 90° Counterclockwise



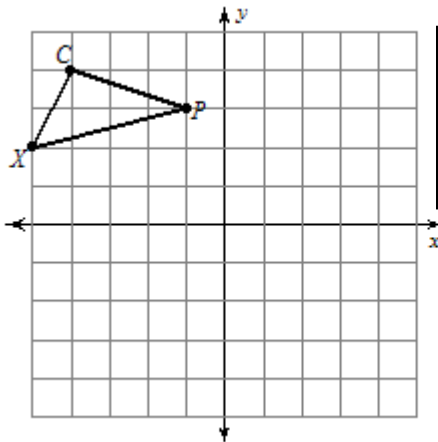
J' (____, ____)
 T' (____, ____)
 Y' (____, ____)



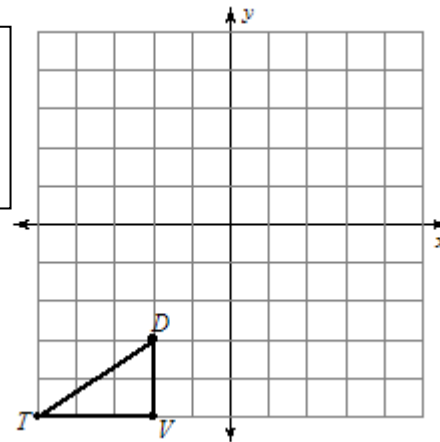
E' (____, ____)
 N' (____, ____)
 Z' (____, ____)

3. Rotate 270° Clockwise

4. Rotate 270° Counterclockwise



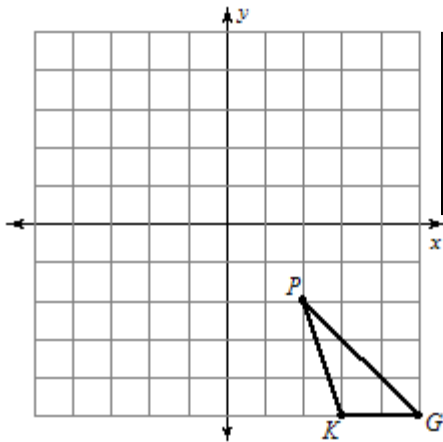
C' (____, ____)
 P' (____, ____)
 X' (____, ____)



D' (____, ____)
 T' (____, ____)
 V' (____, ____)

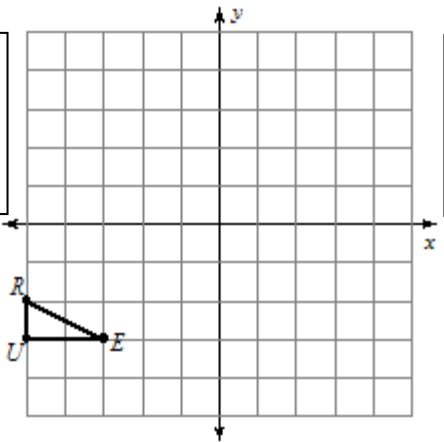
Lesson 2 Geometry Grade 10

5. Rotate 180° Clockwise



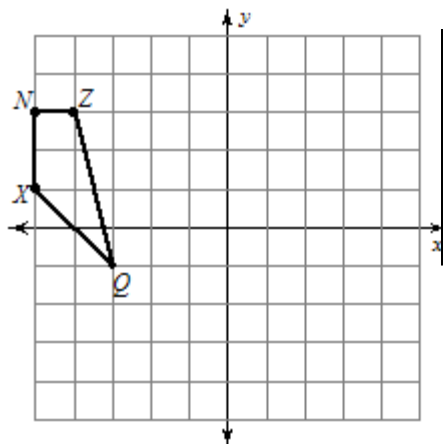
$G'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $K'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $P'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

6. Rotate 180° Counterclockwise



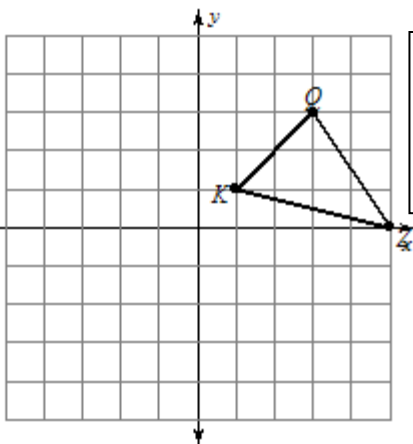
$E'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $R'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $U'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

7. Rotate 90° Clockwise



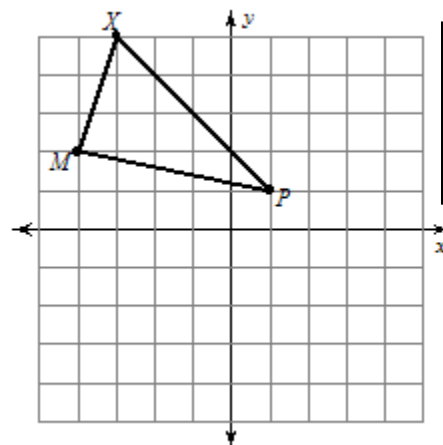
$N'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $Q'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $X'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $Z'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

8. Rotate 90° Counterclockwise



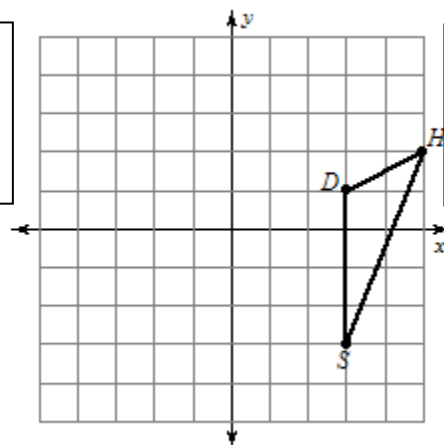
$K'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $Q'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $Z'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

9. Rotate 270° Clockwise



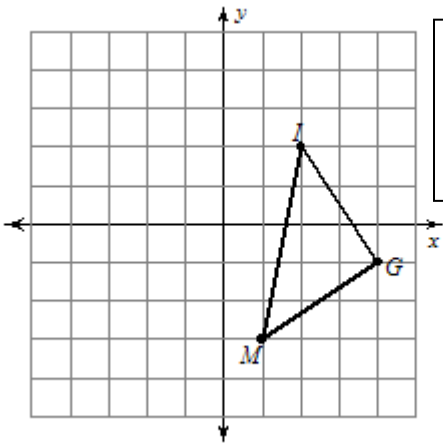
$M'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $P'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $X'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

10. Rotate 270° Counterclockwise



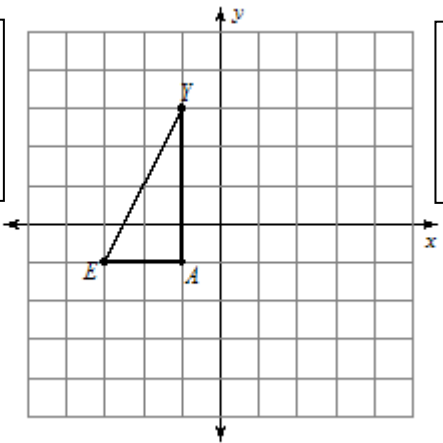
$D'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $H'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $S'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

11. Rotate 180° Clockwise



$G'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $I'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $M'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$

12. Rotate 180° Counterclockwise



$A'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $E'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$
 $Y'(\rule{1cm}{0.4pt}, \rule{1cm}{0.4pt})$