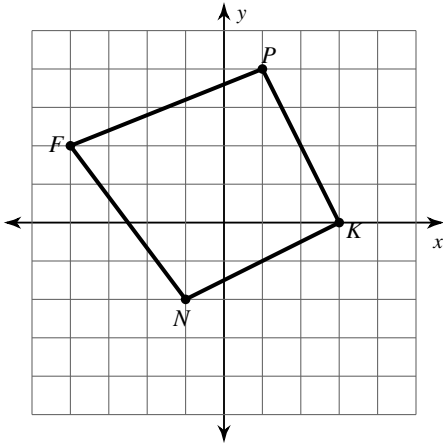


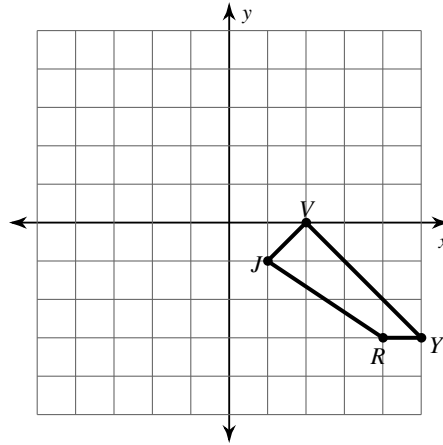
Rotations

Graph the image of the figure using the transformation given.

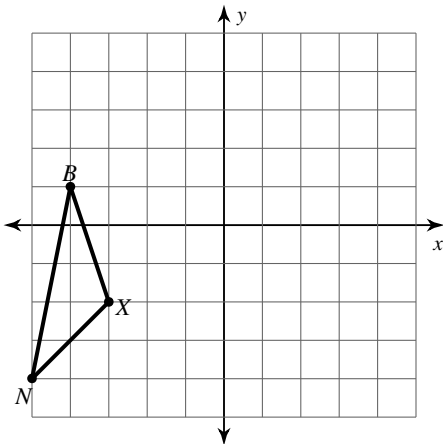
1) rotation  $180^\circ$  about the origin



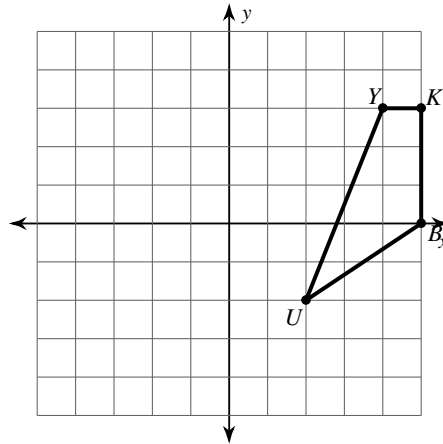
2) rotation  $180^\circ$  about the origin



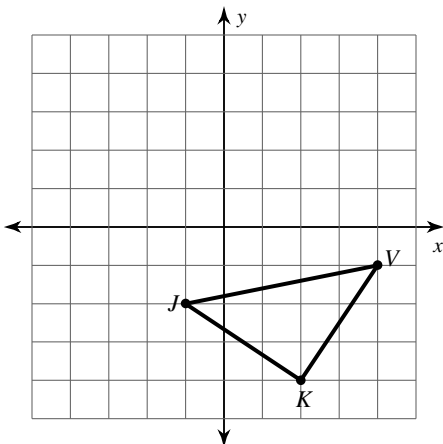
3) rotation  $90^\circ$  counterclockwise about the origin



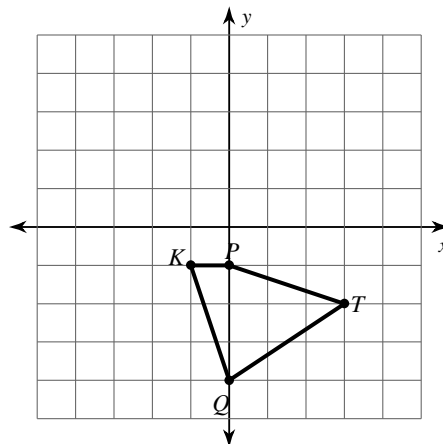
4) rotation  $90^\circ$  clockwise about the origin



5) rotation  $90^\circ$  clockwise about the origin

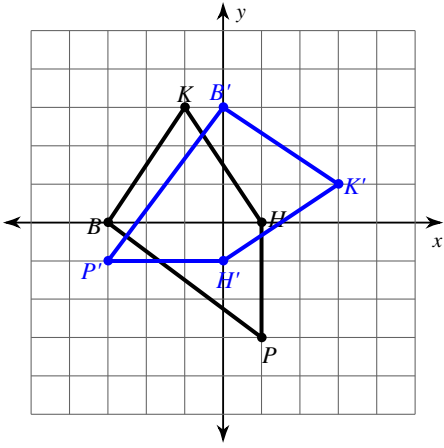


6) rotation  $180^\circ$  about the origin

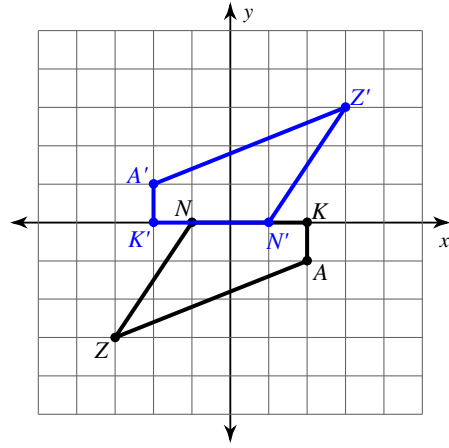


Write a rule to describe each transformation.

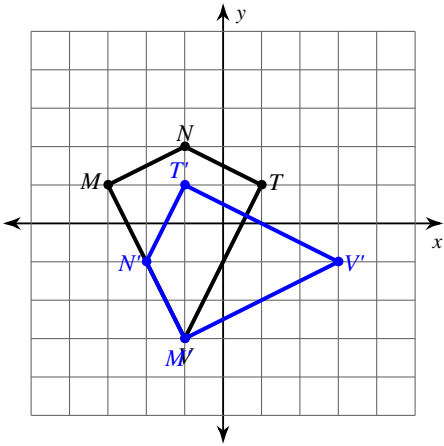
7)



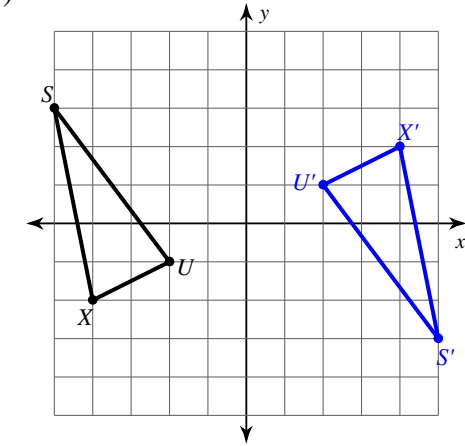
8)



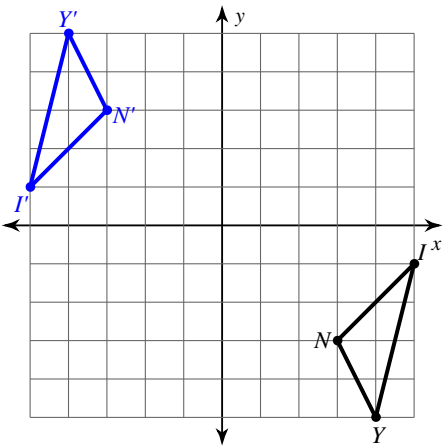
9)



10)



11)



12)

