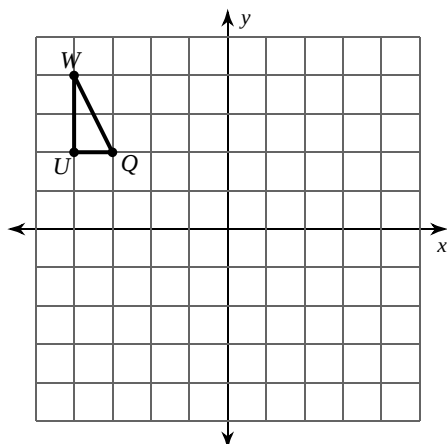
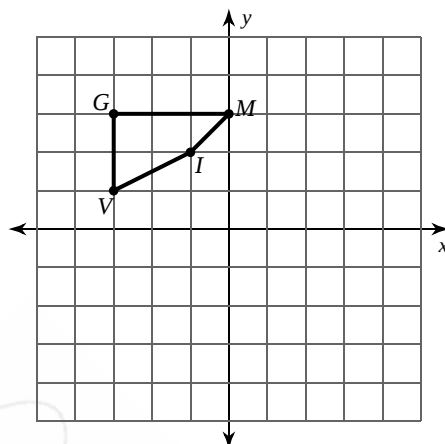


**Graph the image of the figure using the transformation given.**

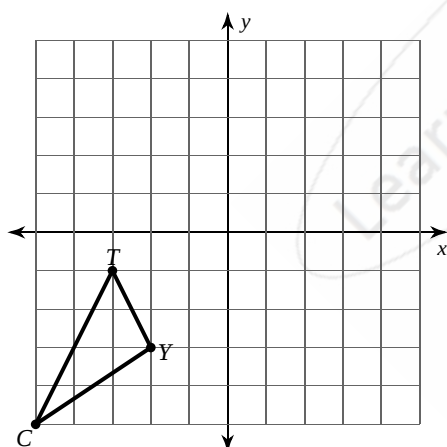
1) rotation  $180^\circ$  about the origin



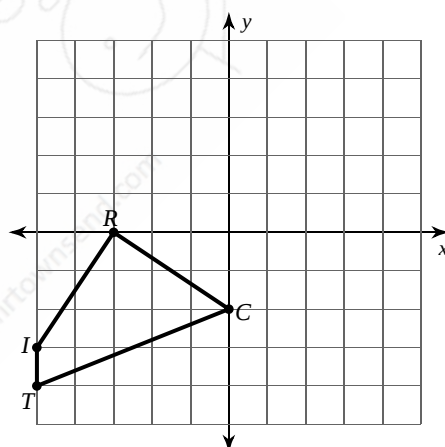
2) rotation  $180^\circ$  about the origin



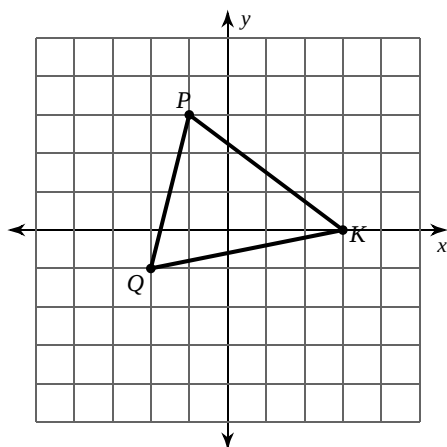
3) rotation  $90^\circ$  counterclockwise about the origin



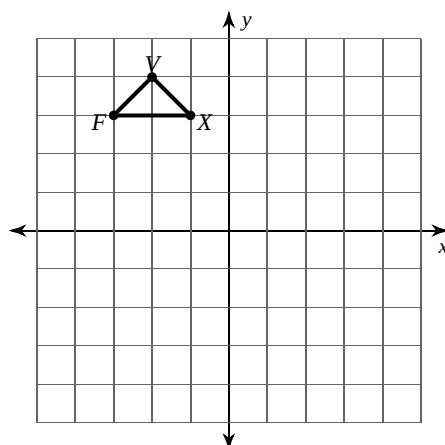
4) rotation  $90^\circ$  counterclockwise about the origin



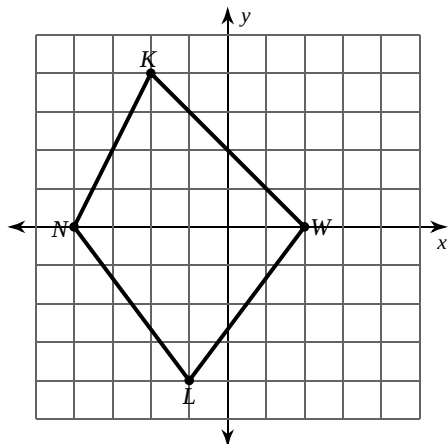
5) rotation  $180^\circ$  about the origin



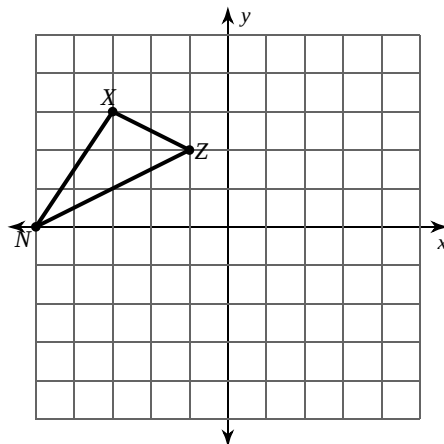
6) rotation  $90^\circ$  counterclockwise about the origin



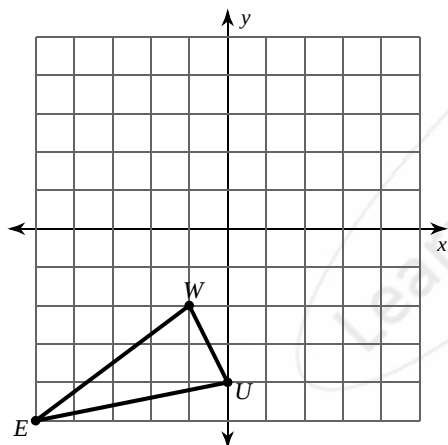
7) rotation  $90^\circ$  counterclockwise about the origin



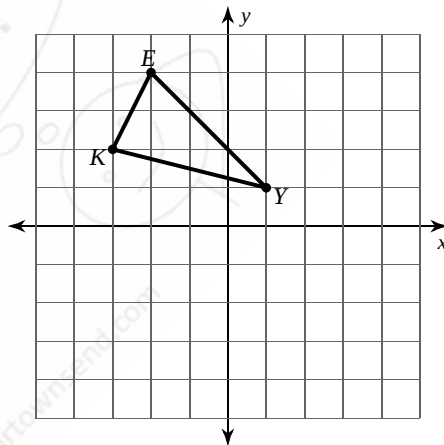
8) rotation  $90^\circ$  counterclockwise about the origin



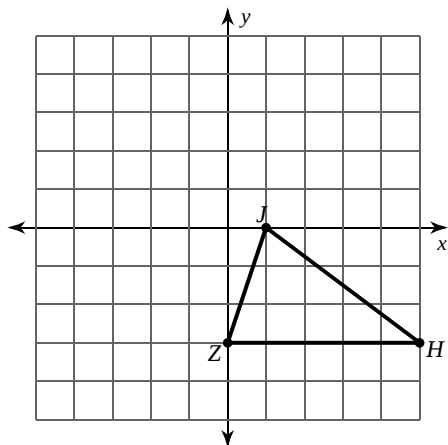
9) rotation  $90^\circ$  counterclockwise about the origin



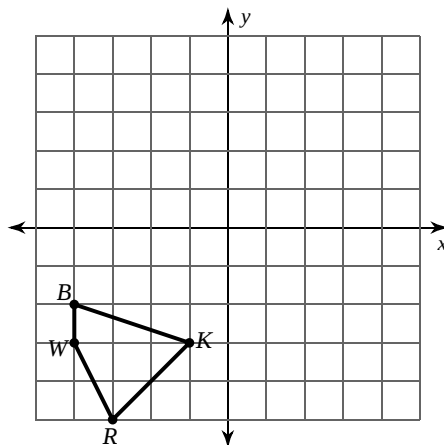
10) rotation  $180^\circ$  about the origin



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

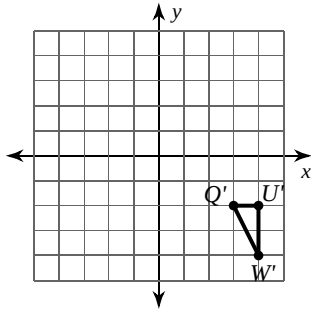


12) rotation  $90^\circ$  counterclockwise about the origin

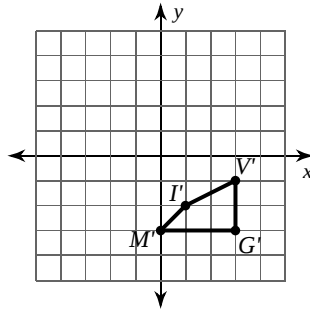


# Answers to

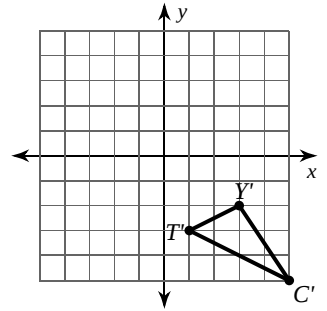
1)



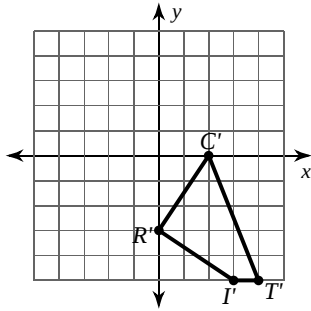
2)



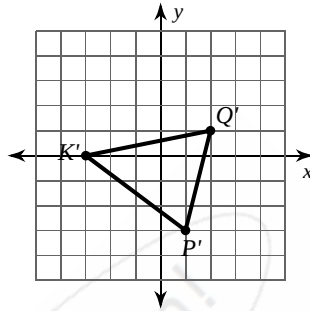
3)



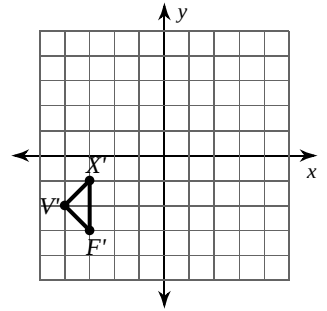
4)



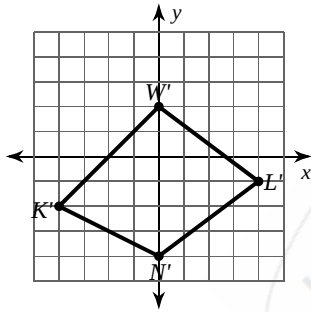
5)



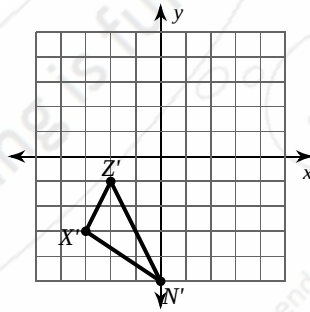
6)



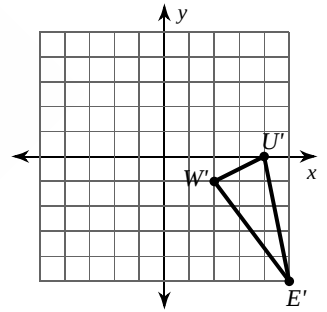
7)



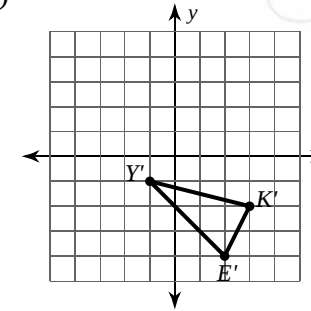
8)



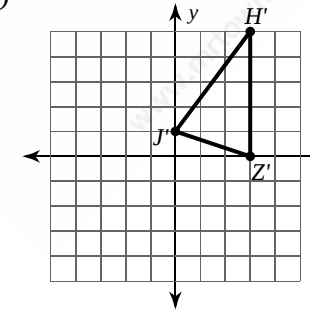
9)



10)



11)



12)

