

5. Pre-image: Q(0,0), R(-13,0), S(0,12)

Rotate the figure $270^\circ$ clockwise about the origin	
Translate the figure according to $(x,y) \rightarrow (x+5,y+5)$	

6. Pre-image: T(6,-3), U(8,-5), V(7,-7), W(5,-7), X(4,-5)

Translate the figure according to $(x,y) \rightarrow (x-4,y+3)$	
Reflect the figure over the line $y = x$	
Rotate the figure $180^\circ$	