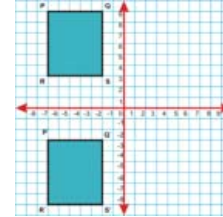


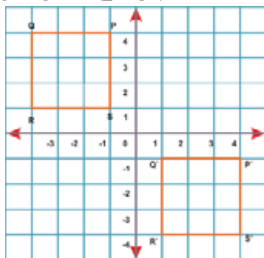
13 Write rule for composition of a dilation of scale factor 3 following a translation of 8 units to the left.

14 Write rule for composition of a dilation of scale factor 2 following a translation of 4 units to the left.

15 Is triangle A''B''C'' a glide reflection of triangle ABC?



16 Is square P'Q'R'S' a glide reflection of square PQRS?



17 Given triangle ABC: A(7, 5), B(5, 5), C(9, 4) Graph and label the following composition:

$r_{y=x} \circ r_{y\text{-axis}}$   
What single transformation accomplishes these same transformations?

18 Given triangle ABC: A(4, 5), B(1, 3), C(7, 4) Graph and label the following composition:

$r_{y=x} \circ r_{y\text{-axis}}$   
What single transformation accomplishes these same transformations?

19 Given triangle PQR: P(3, 4), Q(1, 5), R(0, 2) Graph and label the following composition:  
 $T_{-4,1} \circ r_{y\text{-axis}}$

20 Given triangle PQR: P(5, 4), Q(2, 4), R(2, 2) Graph and label the following composition:  
 $T_{-5,1} \circ r_{y\text{-axis}}$