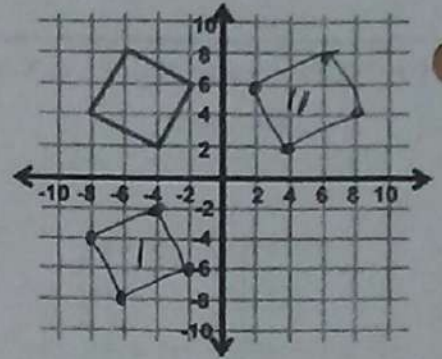


Use the graph of the square to the right to answer questions 8-10.

8. Perform the given composition: reflection over the x-axis and a rotation of CW 180°.
9. Write the new coordinates.
 $(4, 2) \rightarrow (2, 6) \rightarrow (6, 8) \rightarrow (8, 4)$
10. What are the rules for this composition?

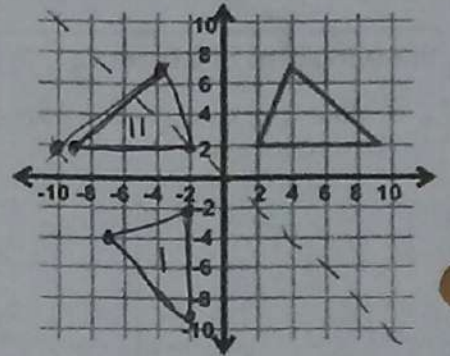
$$R_{-180} (r_{x\text{-axis}} (\square ABCD))$$



Use the graph of the triangle to the right to answer questions 11-13.

11. Perform the given composition: reflection over the $y = -x$ and a rotation of CCW 90°.
12. Write the new coordinates.
 $(2, 2) \rightarrow (-4, 7) \rightarrow (-9, 2)$
13. What are the rules for this composition?

$$(R_{90} (r_{y=-x} (\triangle ABC)))$$



Use the graph of the triangle to the right to answer questions 14-16.

14. Perform the given composition: reflection over the $y = 2$ and a rotation of CW 90°.
15. Write the new coordinates.
 $(2, 2) \rightarrow (-2, 10) \rightarrow (-4, -8)$
16. Write the rule.

$$R_{-90} (r_{y=2} (\triangle ABC))$$

