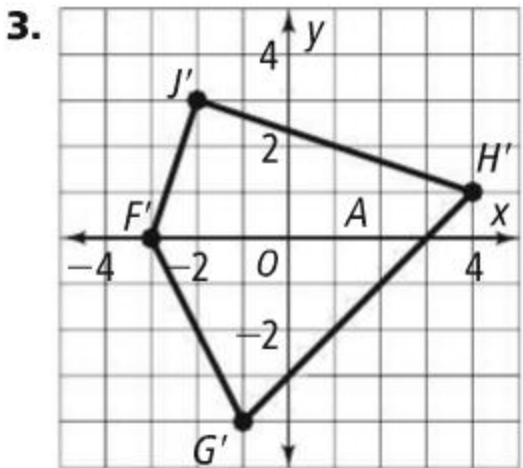


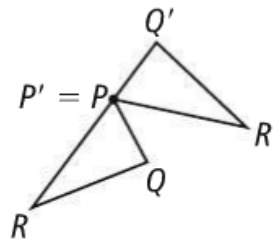
8. R

9. \overline{SE}

11. Draw \overline{AO} and $\overline{A'O}$ and then measure $\angle AOA'$.

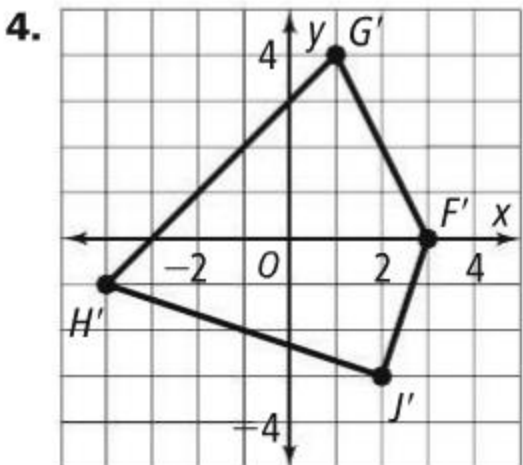


12. The diagram shows a reflection, not a rotation. R' is a 115° clockwise rotation of R . All points of $\triangle PQR$ must be rotated counterclockwise.



13. Both are rigid motions. A reflection reverses orientation. A rotation has the same orientation.

14. $(-x, -y)$; Sample: The coordinates are the same as a single rotation of 180° since $135^\circ + 45^\circ = 180^\circ$.



20. 168.75°

27. H

28. M

29. \overline{BC}

30. C

31. \overline{LM}

32. A