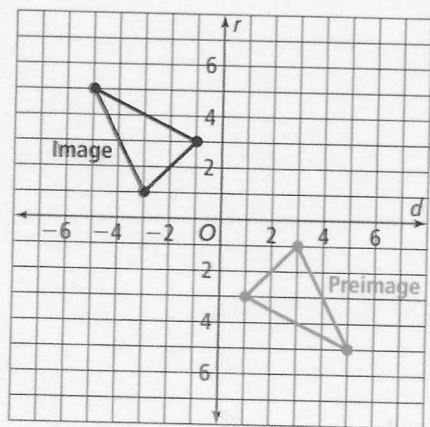


Transformations

- 9) Segment PQ with endpoints $P(2, -3)$ and $Q(-3, 1)$ is reflected over the line $y = x$, find the coordinates of P' and Q' and write the rule for this transformation.
- 10) Segment TS with endpoints $T(-4, 6)$ and $S(2, -1)$ is reflected over the line $y = -x$, find the coordinates of T' and S' and write the rule for this transformation.
- 11) What transformation maps the Preimage onto the Image?



- A. Reflection over the line $y = 0$
- B. Reflection over the line $x = 0$
- C. Reflection over the line $y = x$
- D. Reflection over the line $y = -x$

Rotations

- 12) Segment FG with endpoints $F(1, -3)$ and $G(2, -1)$ is rotated 90° clockwise about the origin, find the coordinates of F' and G' and write the rule for this transformation.
- 13) Segment XY with endpoints $X(2, -3)$ and $Y(-3, 1)$ is rotated 90° counterclockwise about the origin, find the coordinates of X' and Y' and write the rule for this transformation.
- 14) Segment PQ with endpoints $P(2, -3)$ and $Q(-3, 1)$ is rotated 180° about the origin, find the coordinates of P' and Q' and write the rule for this transformation.
- 15) Segment TS with endpoints $T(-4, 6)$ and $S(2, -1)$ is rotated 270° clockwise about the origin, find the coordinates of T' and S' and write the rule for this transformation.
- 16) Segment MN with endpoints $M(7, -2)$ and $N(-5, 4)$ is rotated 270° counterclockwise about the origin, find the coordinates of M' and N' and write the rule for this transformation.