



Compositions of Transformations

The coordinates of quadrilateral $ABCD$ before and after a rotation about the origin are shown in the table. Find the angle of rotation.

Before	After
$A(2, -2)$	$A'(2, 2)$
$B(4, 1)$	$B'(-1, 4)$
$C(5, 1)$	$C'(-1, 5)$
$D(5, -1)$	$D'(1, 5)$

- A. 90° clockwise
- B. 90° counterclockwise
- C. 60° clockwise
- D. 45° clockwise

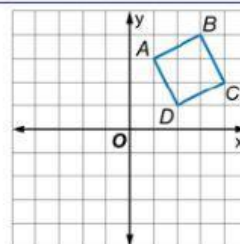
Abdulkader Amro

The coordinates of triangle XYZ before and after a rotation about the origin are shown in the table. Find the angle of rotation.

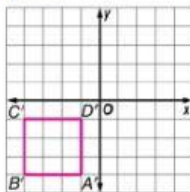
Before	After
$X(-2, -3)$	$X'(2, 3)$
$Y(0, 0)$	$Y'(0, 0)$
$Z(3, -4)$	$Z'(-3, 4)$

- A. 180° clockwise
- B. 270° clockwise
- C. 90° clockwise
- D. 90° counterclockwise

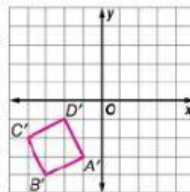
Draw the image of $ABCD$ under a 180° clockwise rotation about the origin.



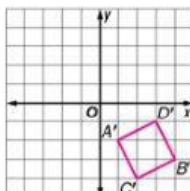
A.



B.



C.



D.

