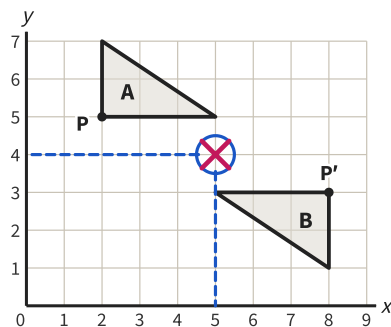


Describing Rotations

ANSWERS

1

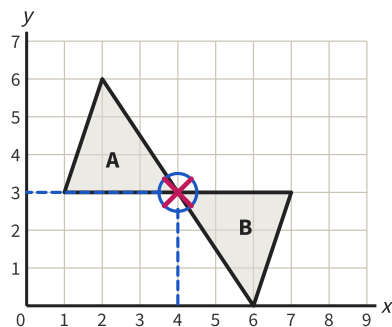
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (5 , 4)

2

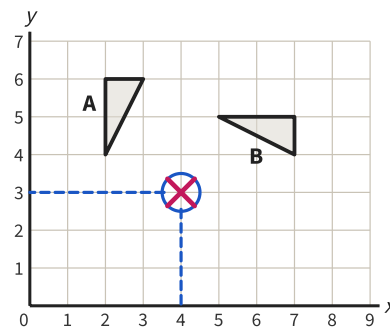
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (4 , 3)

3

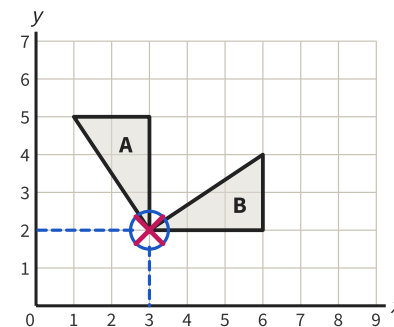
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (4 , 3)

4

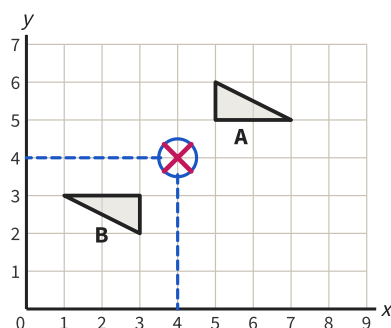
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (3 , 2)

5

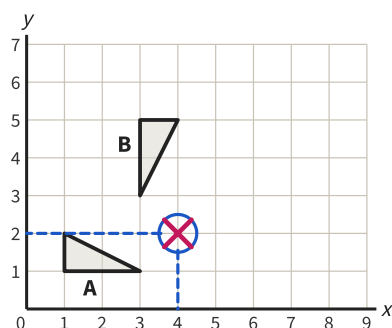
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (4 , 4)

6

Describe fully the rotation.

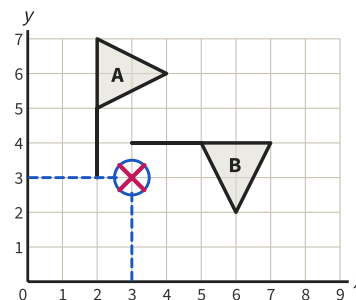


Rotation 180° / 90° clockwise
about (4 , 2)

7

Flag A turns to flag B about the cross.

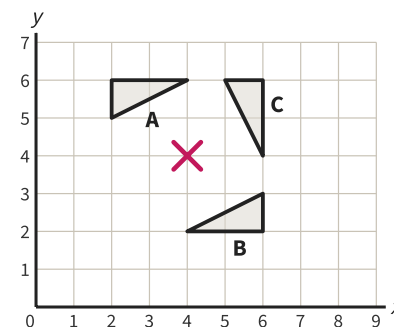
Describe fully the rotation.



Rotation 180° / 90° clockwise
about (3 , 3)

8

Which shape is A rotated 90° clockwise about the cross?



Shape C

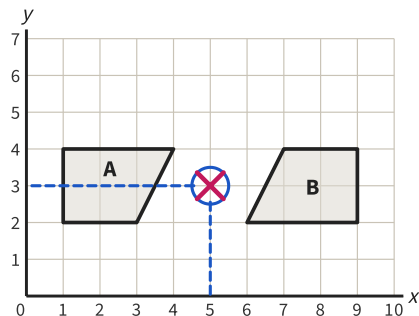
Describing Rotations *further practice*

ANSWERS

9



Describe fully the rotation.



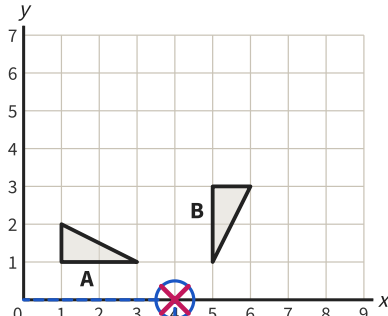
Rotation 180° / 90° clockwise

about (5 , 3)

10



Describe fully the rotation.



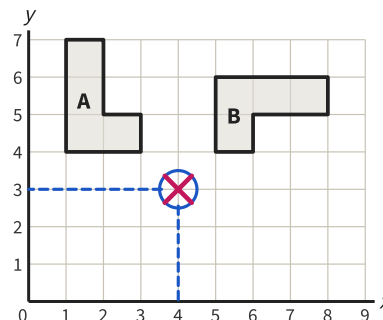
Rotation 180° / 90° clockwise

about (4 , 0)

11



Piece A in a game turns to B.
Describe fully the rotation.



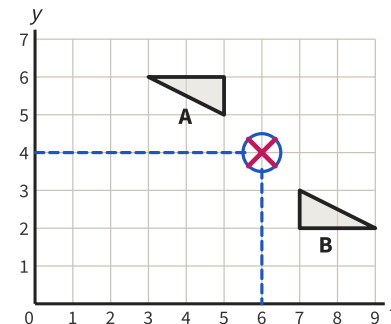
Rotation 180° / 90° clockwise

about (4 , 3)

12



Describe fully the rotation.



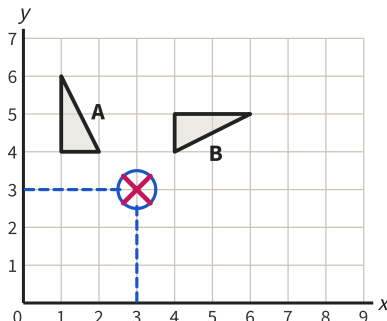
Rotation 180°

about (6 , 4)

13



Describe fully the single transformation that maps A onto B.



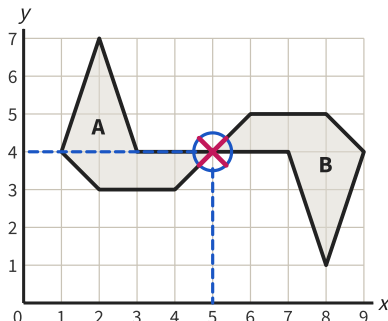
Rotation 90° clockwise

about (3 , 3)

14



The cross is a buoy.
Describe fully the turn from A to B.



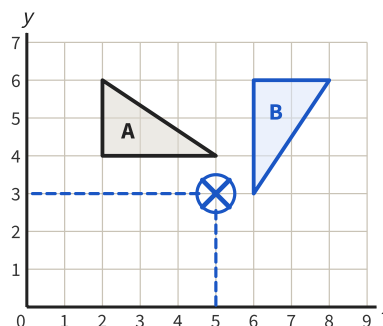
Rotation 180°

about (5 , 4)

15



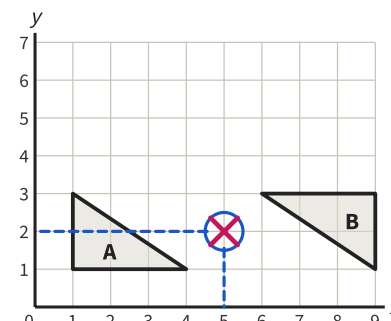
Rotate shape A 90° clockwise about (5, 3). Mark the cross first.



16



Mia writes: Rotation 180° about (2, 5). What has she got wrong?



The centre is (5 , 2) .

Mia wrote the up number first.