Rotate an Object around a Given Coordinate

Maths
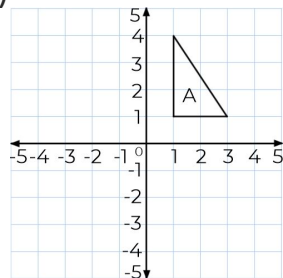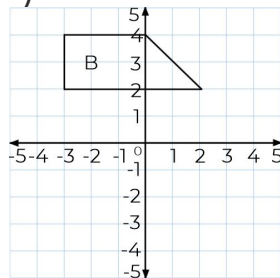
Miss Davies

Rotate an Object around a Given Coordinate

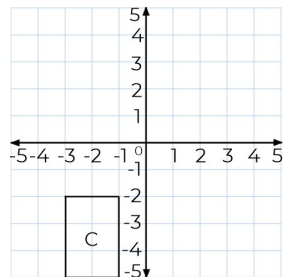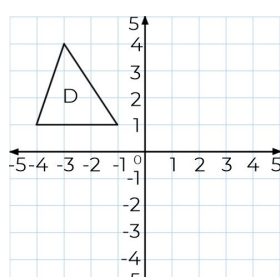1. Rotate each shape the stated degrees, centre point (0, 0).

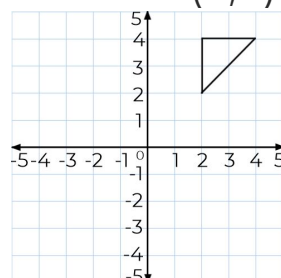a) 90° clockwise

b) 270° clockwise
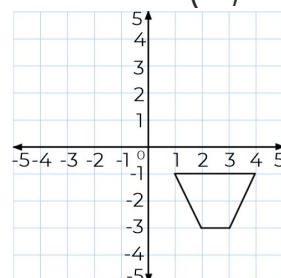
c) 180°

d) 180°

2. Rotate each shape as described.

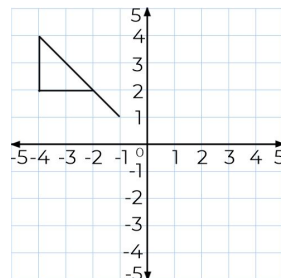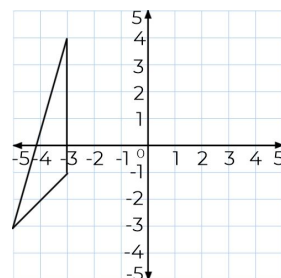a) 90° clockwise centre (2, 1)

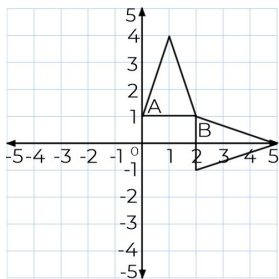b) 90° anticlockwise centre (-1, -1)

c) 180°, centre (0, 1)

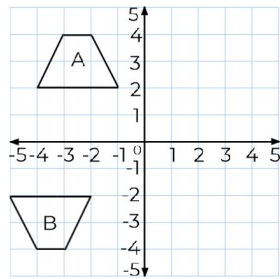d) 180°, centre (-3, 1)

Rotate an Object around a Given Coordinate
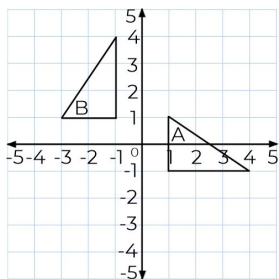
3. Describe the rotations from A to B.
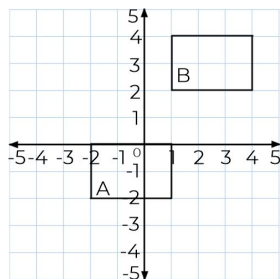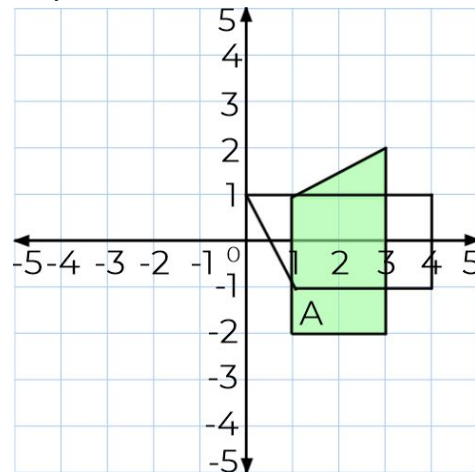
a)

b)

c)

d)

4. Michael thinks he has rotated shape A (shaded) 90° anticlockwise, around point (0, 0).
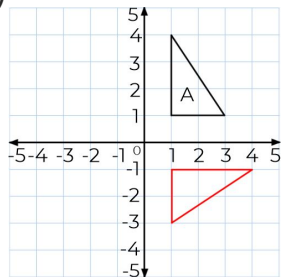

Michael is wrong.

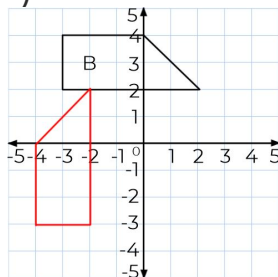What rotation has he done?

Answers

Rotate an Object around a Given Coordinate

1. Rotate each shape the stated degrees, centre point (0, 0).
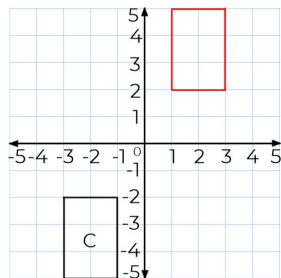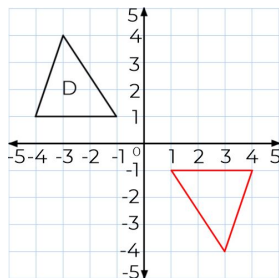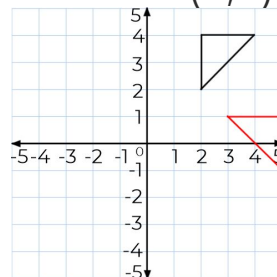a) 90° clockwise

b) 270° clockwise
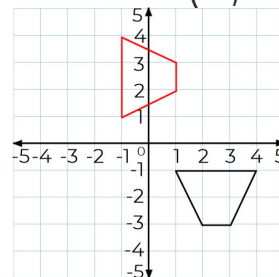

c) 180°

d) 180°

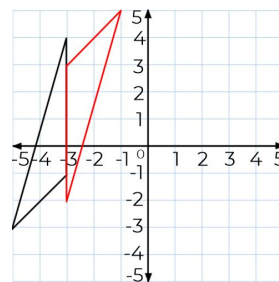2. Rotate each shape as described.
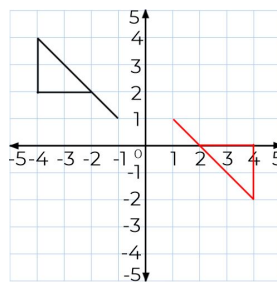a) 90° clockwise centre (2, 1)
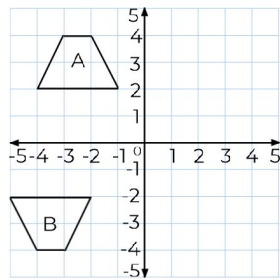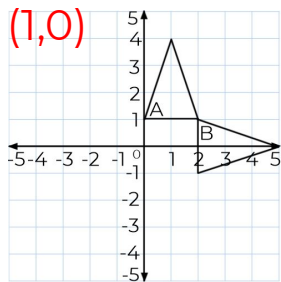

b) 90° anticlockwise centre (-1, -1)
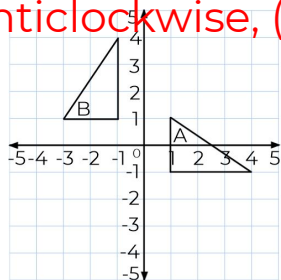

c) 180°, centre (0, 1)

d) 180°, centre (-3, 1)

Rotate an Object around a Given Coordinate
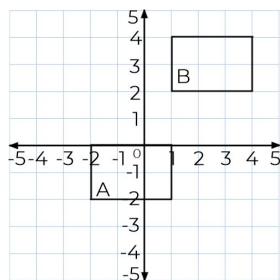
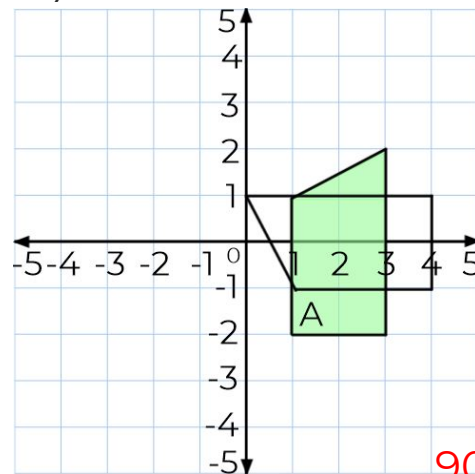3. Describe the rotations from A to B.

a) 90° clockwise (1,0)

b) 180°, (-3,0)

c) 90° anticlockwise, (-1,-1)

d) 180°, (1,1)

4. Michael thinks he has rotated shape A (shaded) 90° anticlockwise, around point (0, 0).

Michael is wrong.

What rotation has he done? 90° anticlockwise, centre (2, 0)