Transformations - Rotation
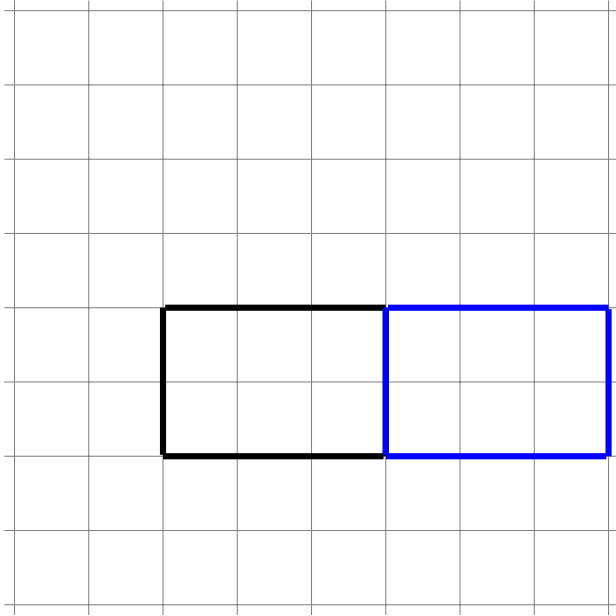
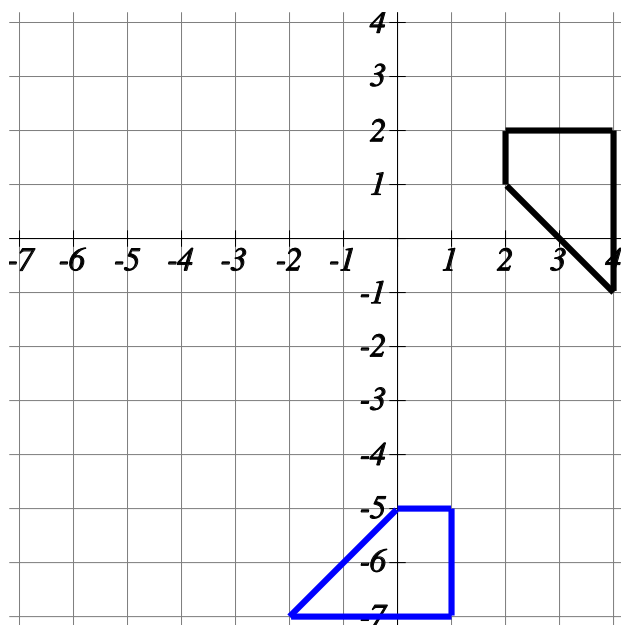Name: Class: Date:

Mark	/ 10	%

1) Find the centre of rotation that maps the object to its image in the diagram below
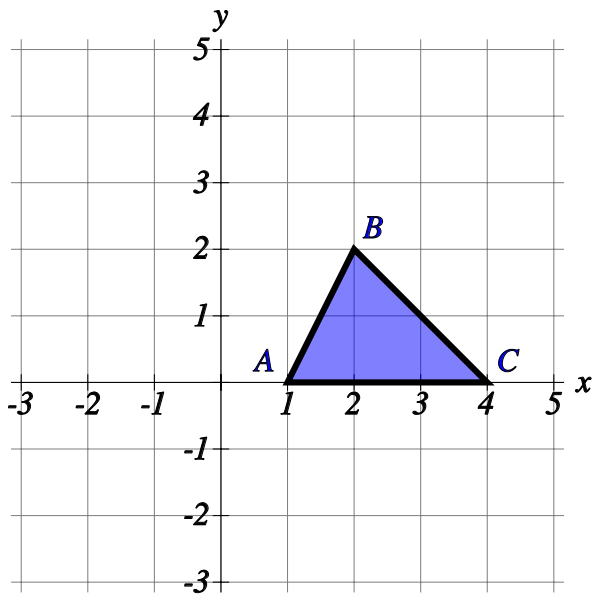
[1]

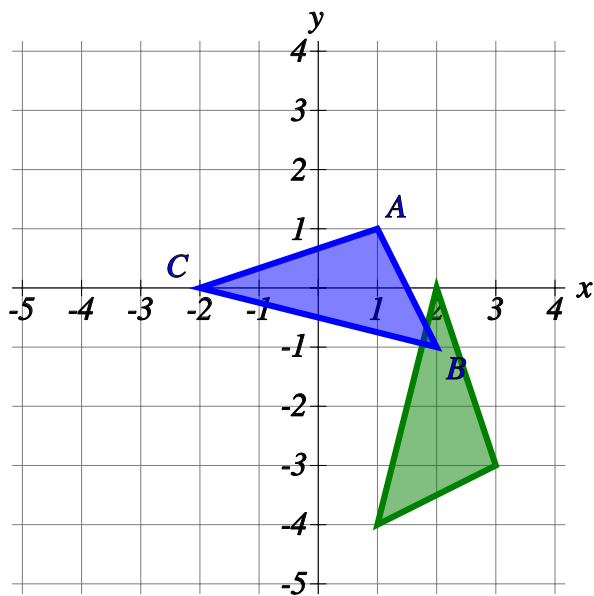**2)** Find the centre of rotation that maps the object to its image in the diagram below

[1]

3) Rotate the triangle ABC 90° anti-clockwise about centre (0,0). [1]
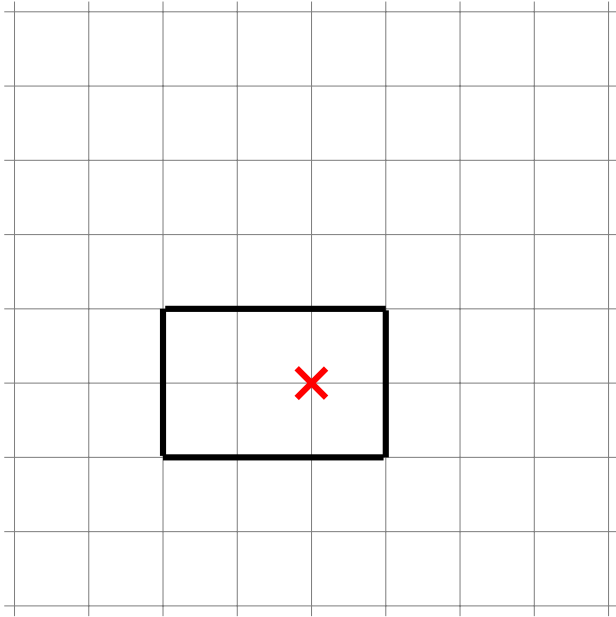Give the coordinates of the image point B'

4) Fully describe the single transformation from the triangle ABC to its image [1]
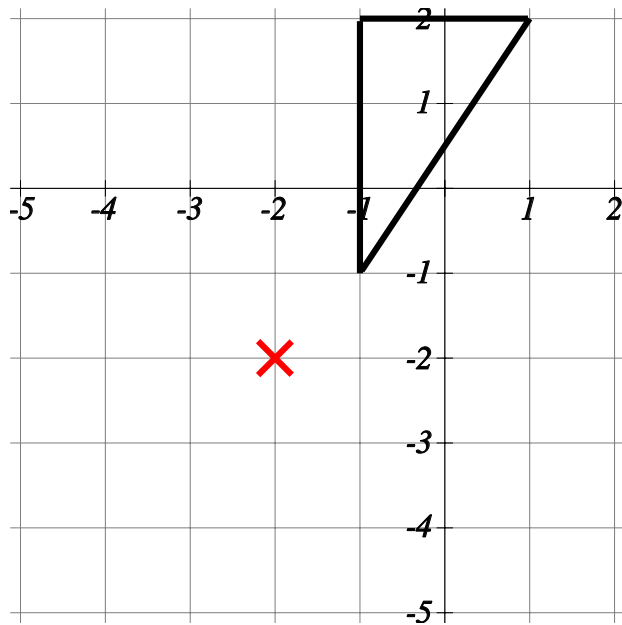
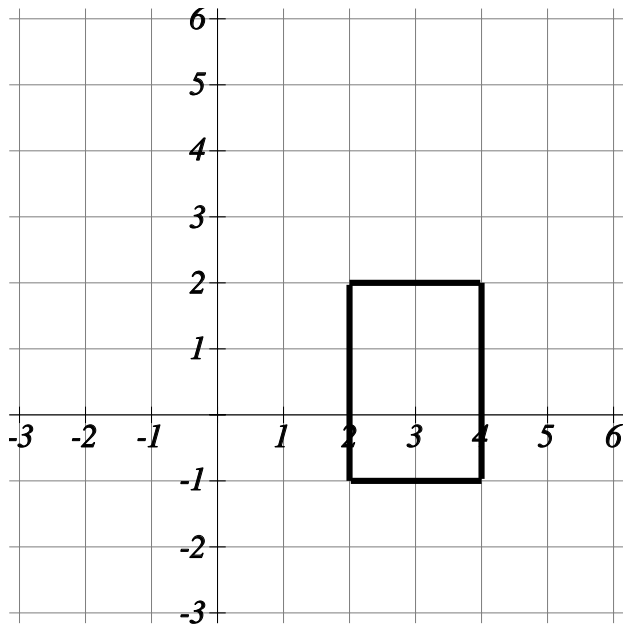**5)** Rotate the shape 180° about the centre marked with a cross.

[1]

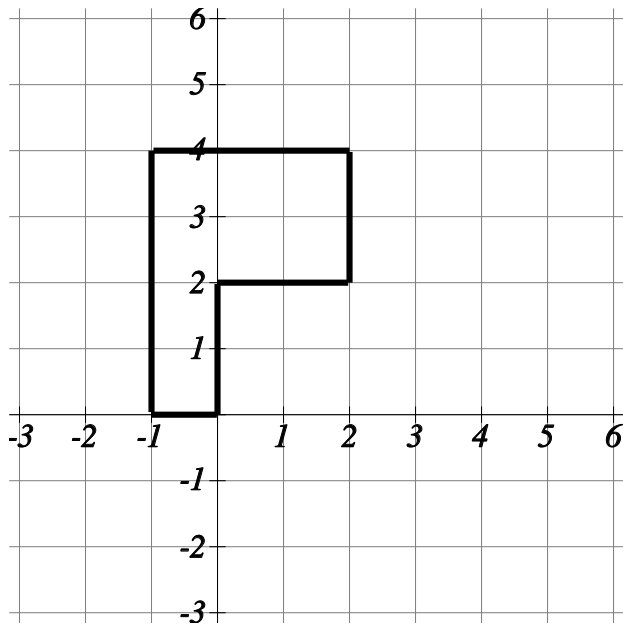**6)** Rotate the shape 90° clockwise about centre (-2,-2).

[1]

7) Rotate the shape 90° clockwise about centre (2,1).
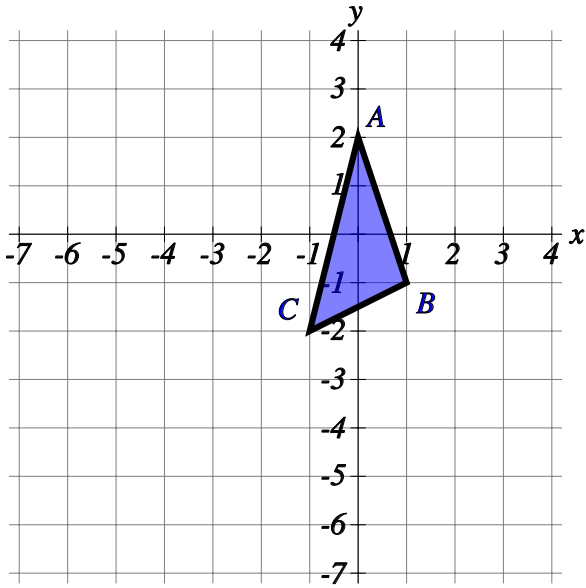
[1]

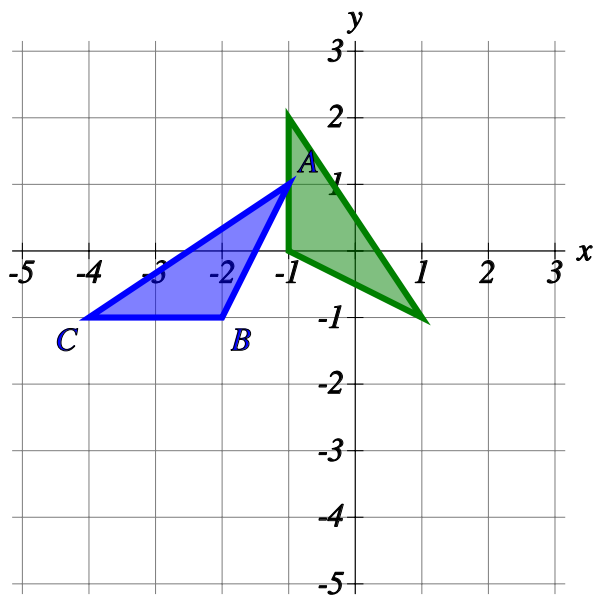**8)** Rotate the shape 90° clockwise about centre (1,1).

[1]

9) Rotate the triangle ABC 180° about centre (1,-2).
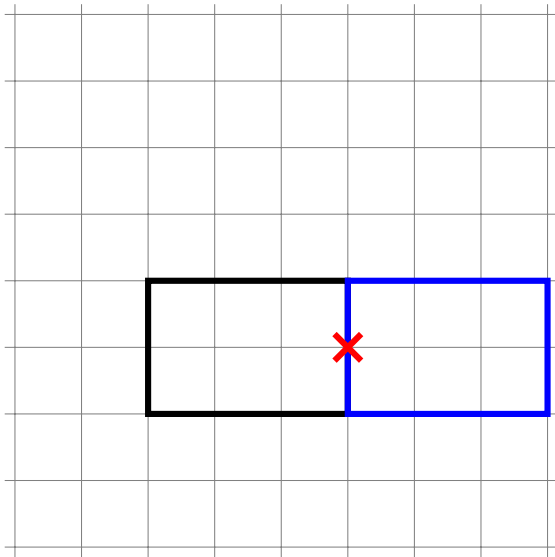Give the coordinates of the image point C'

[1]

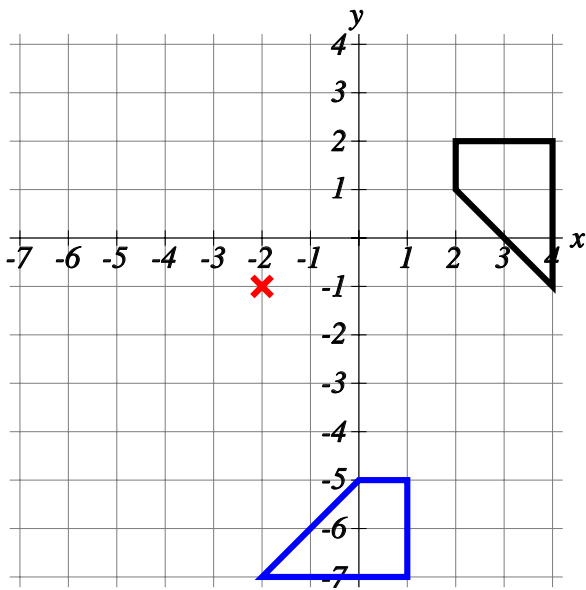**10)** Fully describe the single transformation from the triangle ABC to its image

[1]

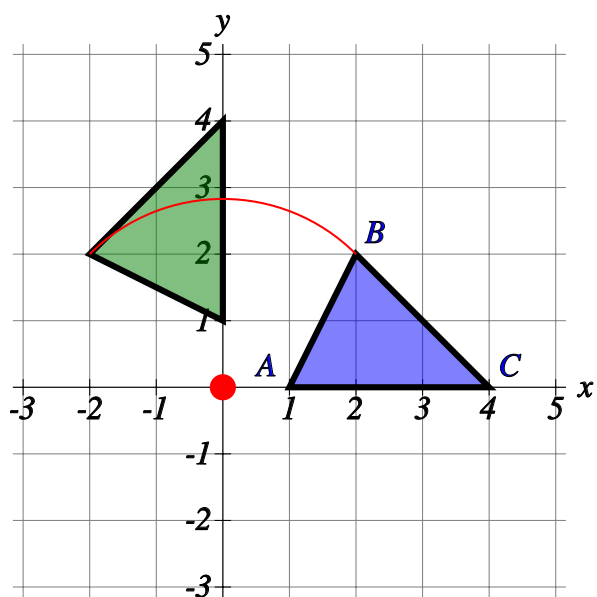# Solutions for the assessment Transformations - Rotation

1)
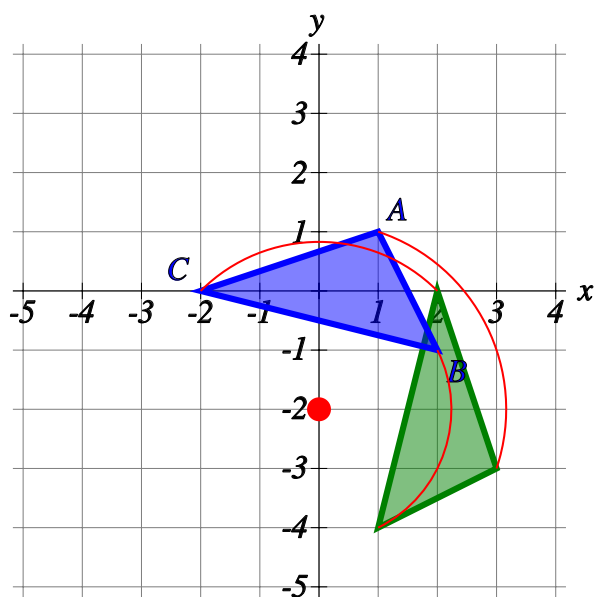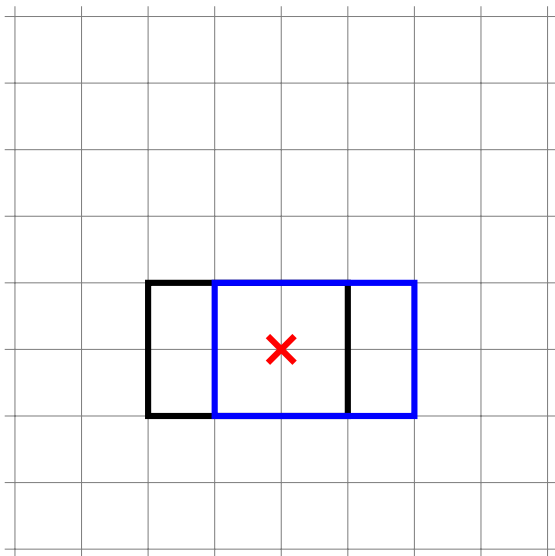

2)

3)

Rotation 90° anti-clockwise about centre (0,0) gives image point B' = (-2,2)

4) rotation 90° clockwise about (0,-2)
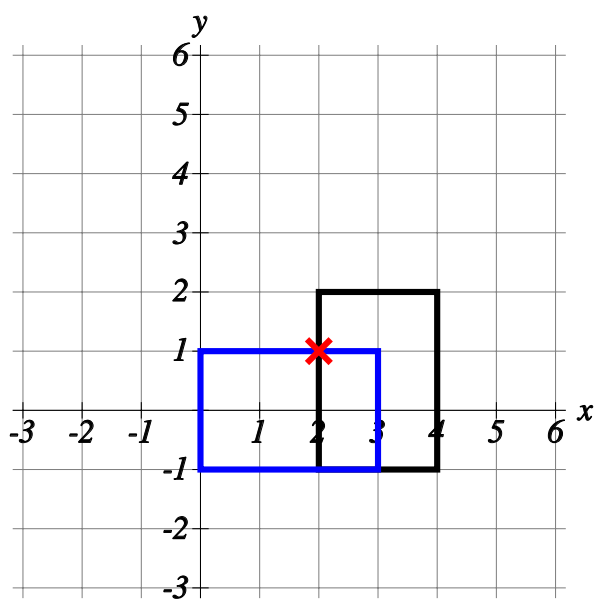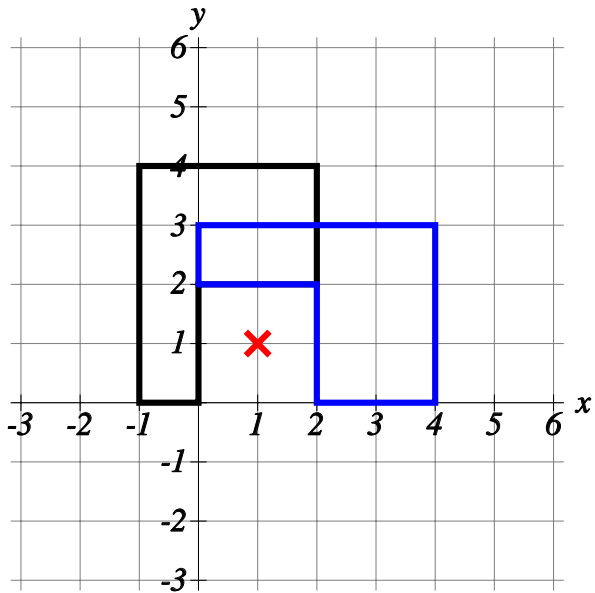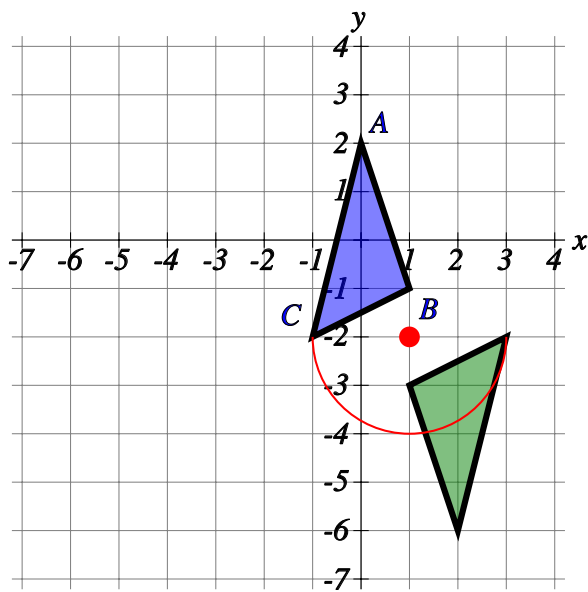
5)

6)
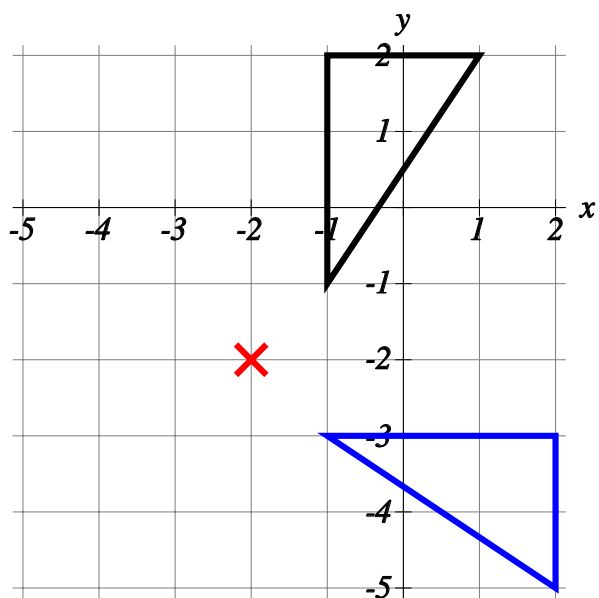
7)

8)

9)

Rotation 180° about centre (1,-2) gives image point C' = (3,-2)

10) rotation 90° clockwise about (-1,-1)