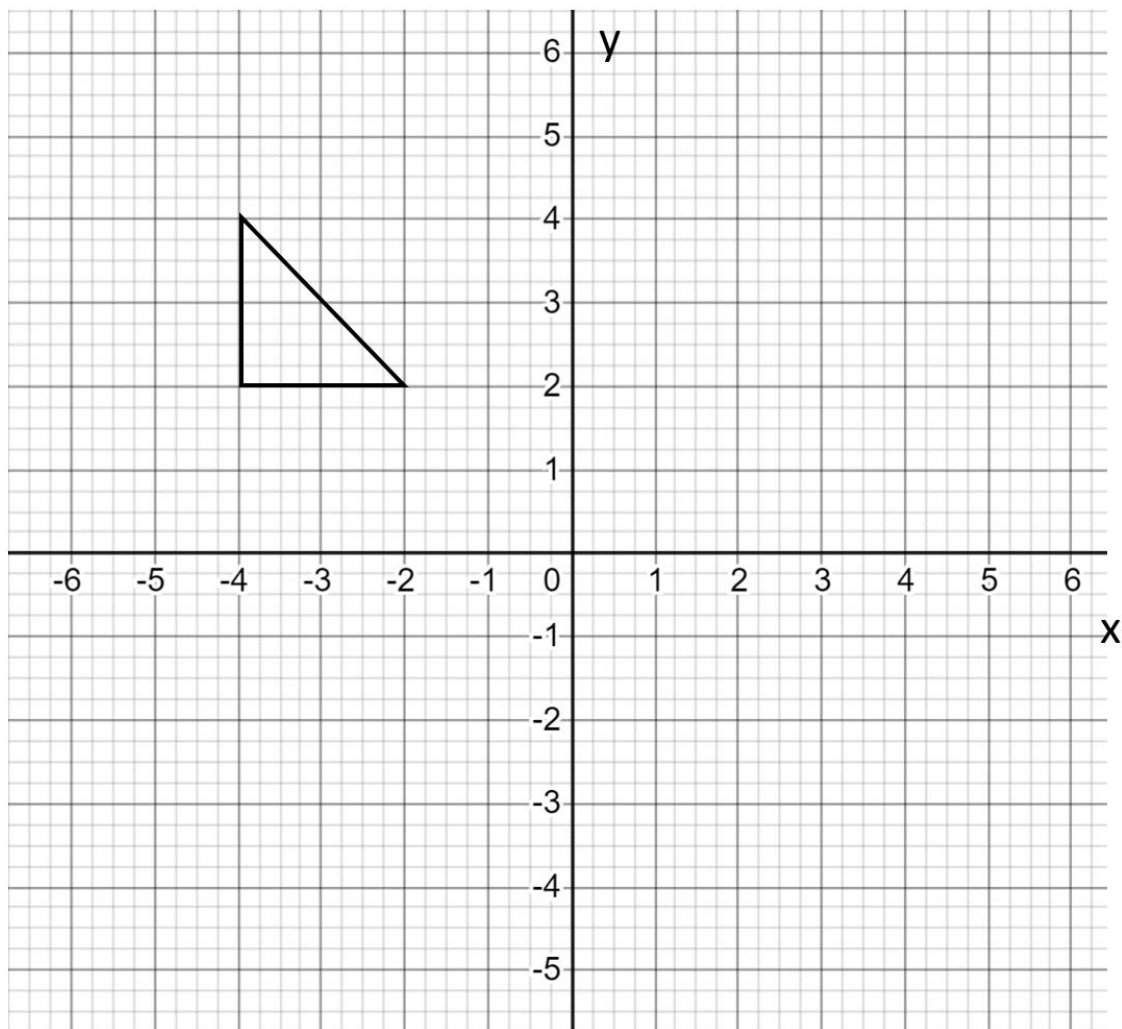




Rotations & Rotational Symmetry Exam Practice

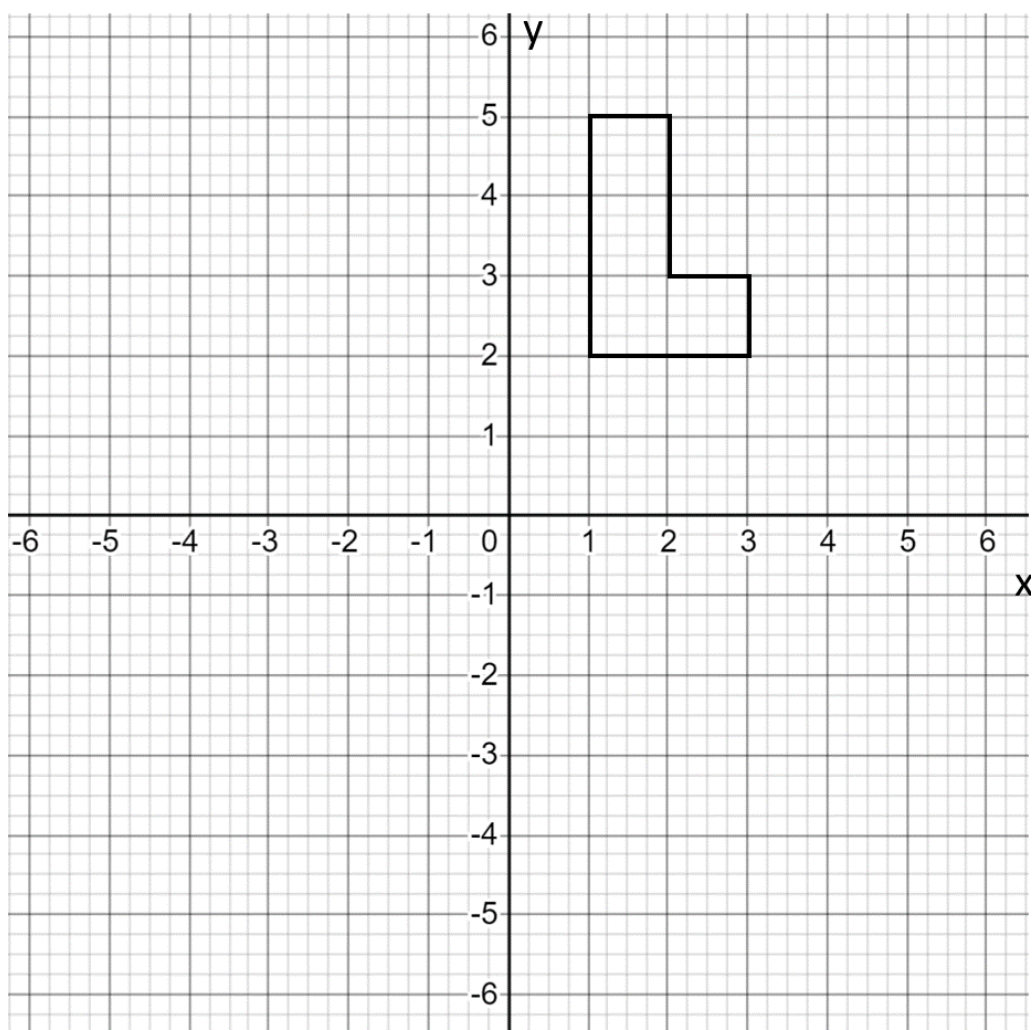
Q1. Rotate the shape below by 270° anti-clockwise about the point $(0,0)$.



Answer: _____
(2 marks)



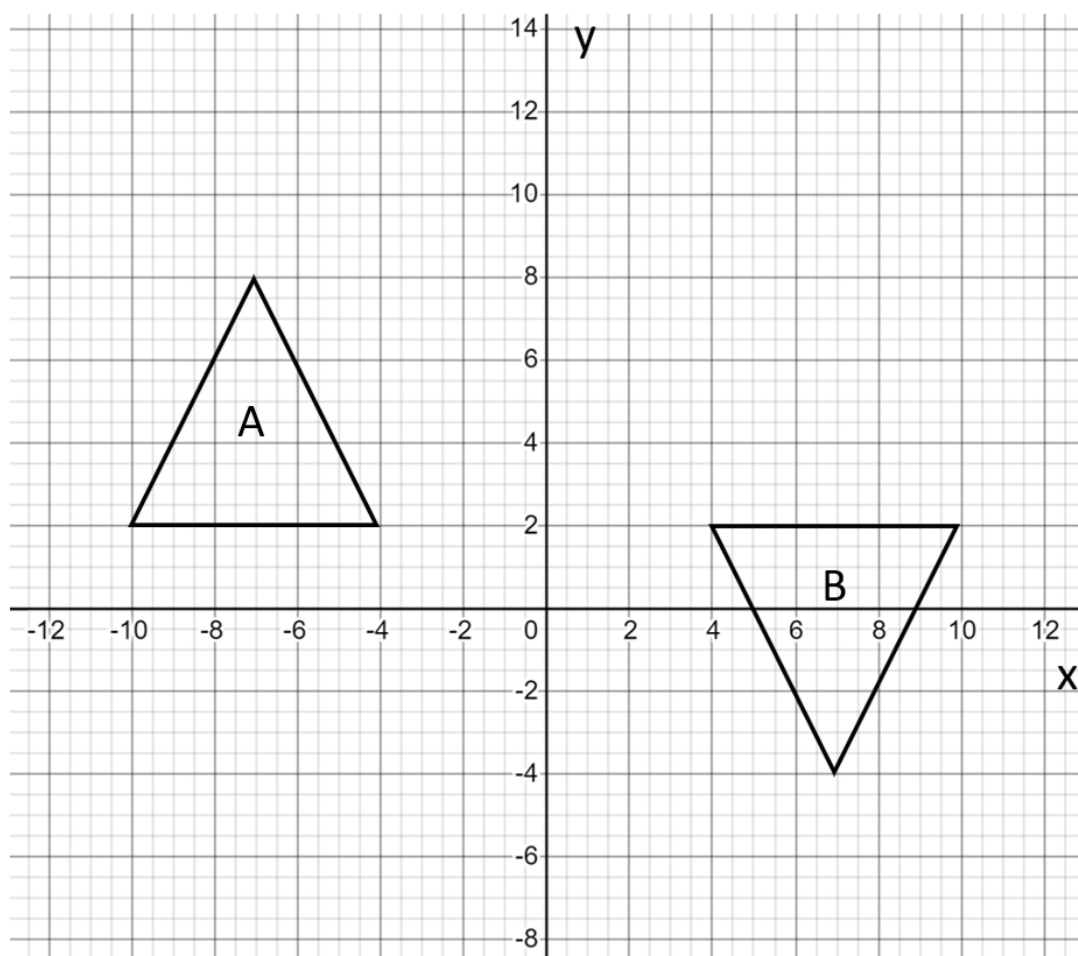
Q2. Rotate the shape below by 180° about the point $(-1,1)$



Answer: _____
(2 marks)



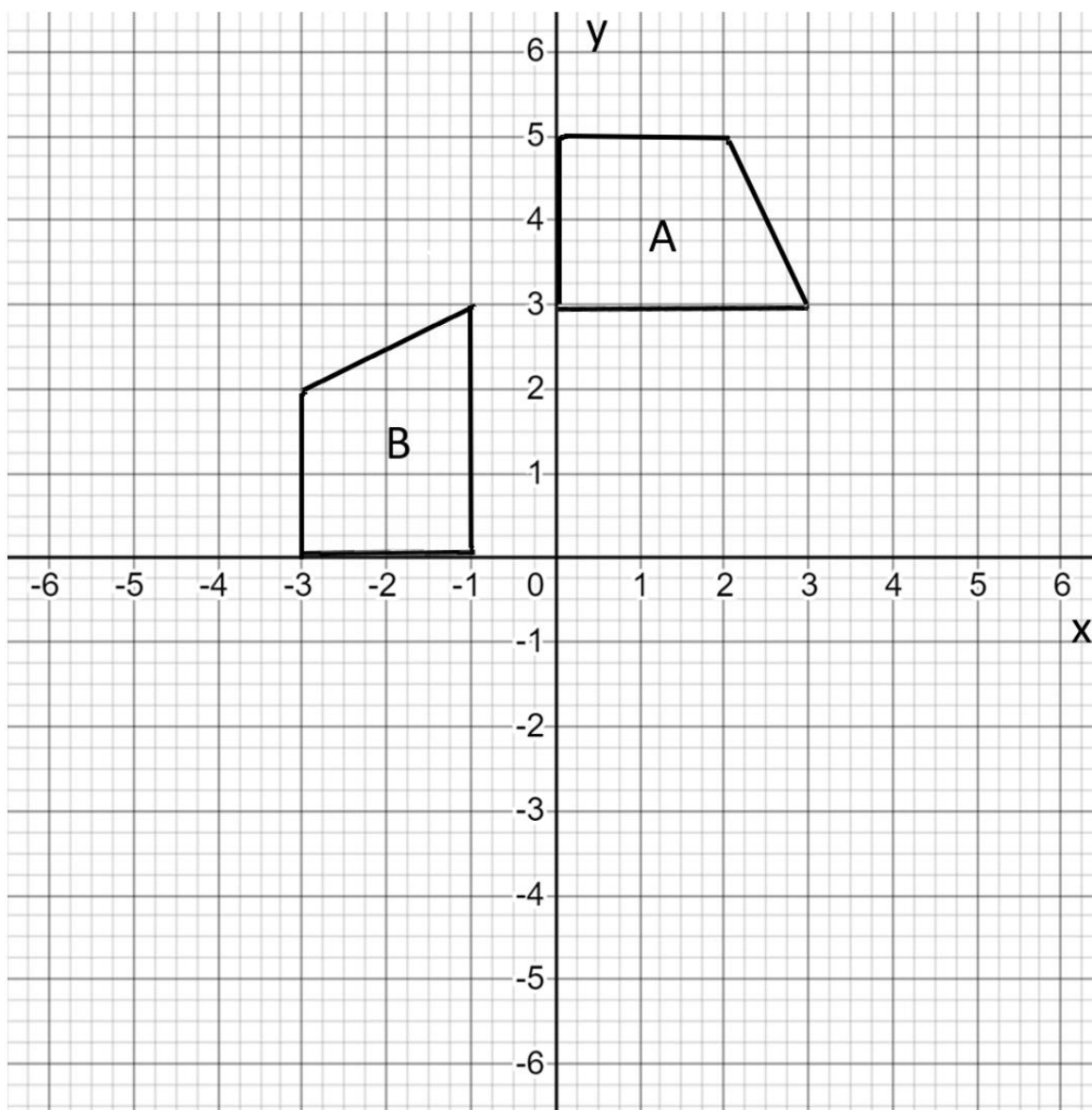
Q3. Describe fully the transformation which takes shape B to A.



Answer: _____
(3 marks)



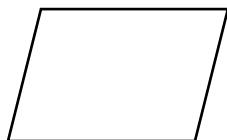
Q4. Describe fully the transformation which takes shape A to B.



Answer: _____
(3 marks)



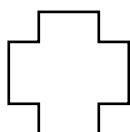
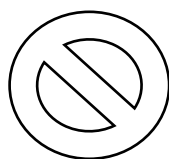
Q5. State the order of rotational symmetry of the shape:



Explain briefly why you have chosen your answer.

Answer: _____
(2 marks)

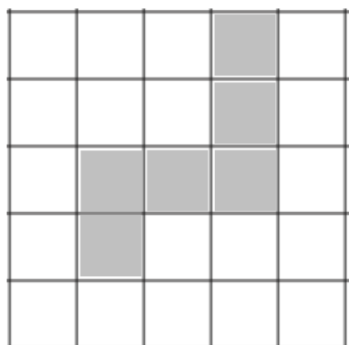
Q6. State the order of rotational symmetry of the following shapes:



Answer: _____
(3 marks)



Q7. Shade 1 extra box on the diagram below so that the shaded shape has order of rotational symmetry 2.



Answer: _____
(1 mark)

Q8. A regular polygon has 20 sides. Write down the order of rotational symmetry of the shape.

Answer: _____
(1 mark)



Q9. Complete the table below:

Shape:	Trapezium	Rhombus	Kite	Rectangle
Order of rotational symmetry:				

Answer: _____
(3 marks)



Q10. (i) Draw a shape with order of rotational symmetry equal to 5.

Answer: _____
(1 mark)

(ii) Draw a shape with order of rotational symmetry equal to 1.

Answer: _____
(1 mark)