Surname	Other n	ames
n the style of: Pearson Edexcel	Centre Number	Candidate Number
Mathem	atics	
Transform		Foundation Tier
		Foundation Tier Paper Reference 1MA0/1F

Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided there may be more space than you need.
- Calculators may not be used.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out**.

Information

- The total mark for this paper is 80
- The marks for each question are shown in brackets
 use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



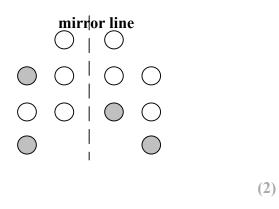
Turn over 🕨



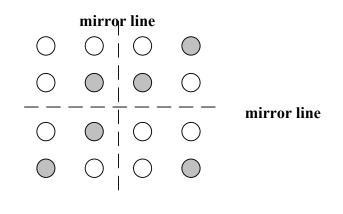
Here are some patterns of circles.

1

(a) Shade two more circles to give this pattern symmetry in the mirror line.

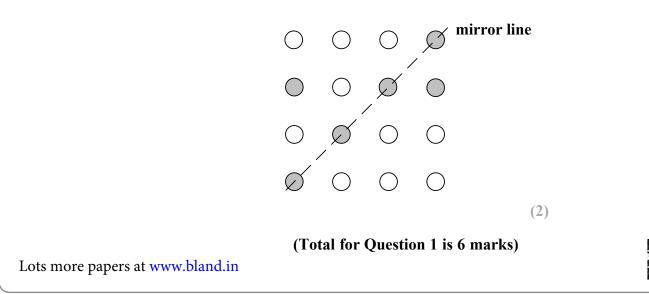


(b) Shade two more circles to give this pattern symmetry in both mirror lines.



(2)

(c) Shade four more circles to give this pattern symmetry in the mirror line.



2	The shape ABCD is drawn on a grid.											
-												
	В				С							
	A				D							

(a) Enlarge *ABCD* by scale factor 3.

(b) How many times bigger is the area of the enlarged shape than the area of *ABCD*?

.....

(2)

(2)

(Total for Question 2 is 4 marks)



The number 71 is shaded on the grid.

(a)	What fraction of the grid is shaded?

Give your answer in its simplest form.

(b)	The letter S is shaded on this grid.
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Draw the reflection of the letter S in the mirror line.

3

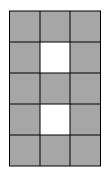
(3)

.....

(2)



3 (c) The number eight is drawn.



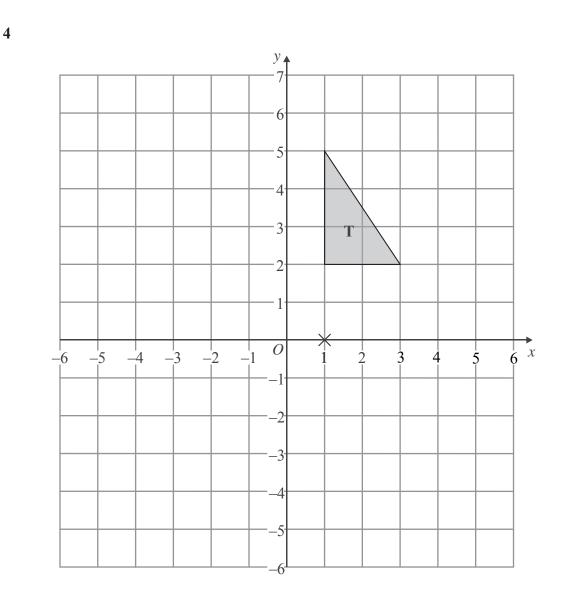
Write down the order of rotational symmetry.

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(1)

(Total for Question 3 is 6 marks)





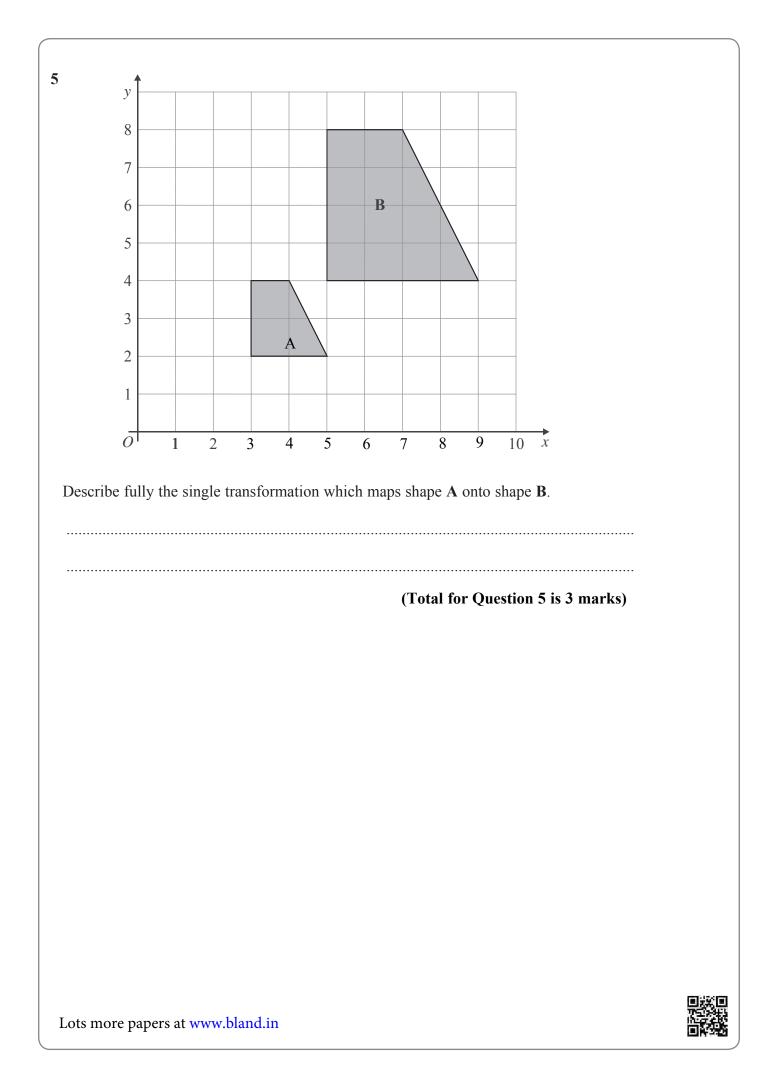
Triangle **T** has been drawn on the grid.

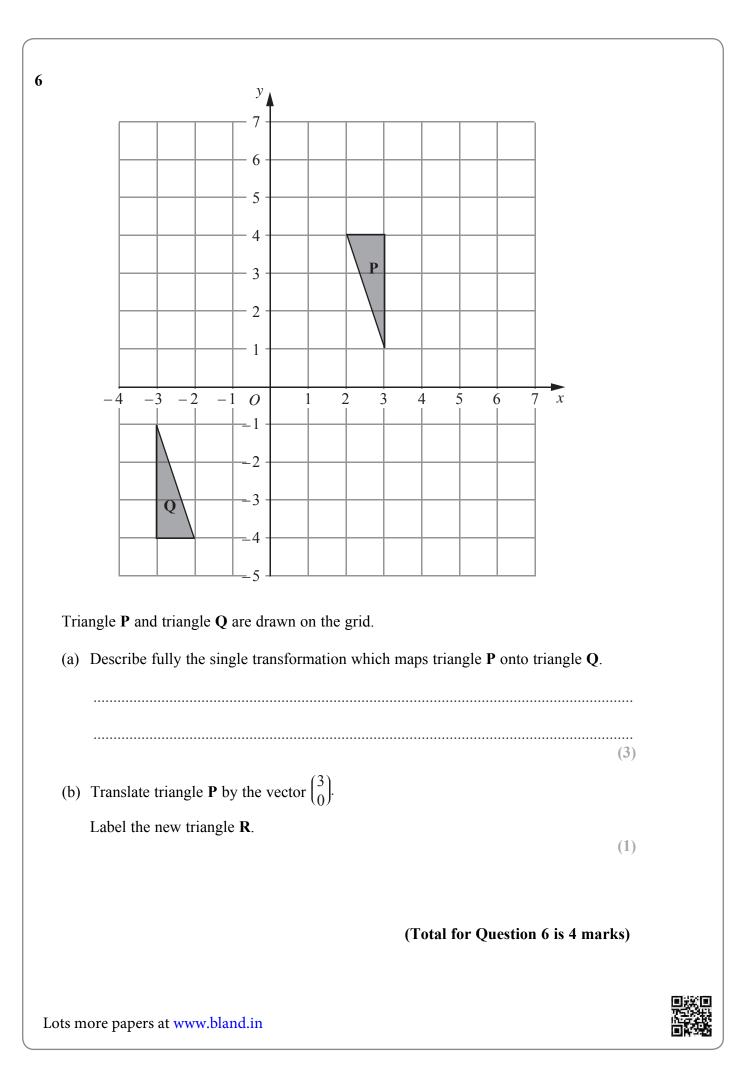
Rotate triangle T 90° clockwise about the point (1, 0).

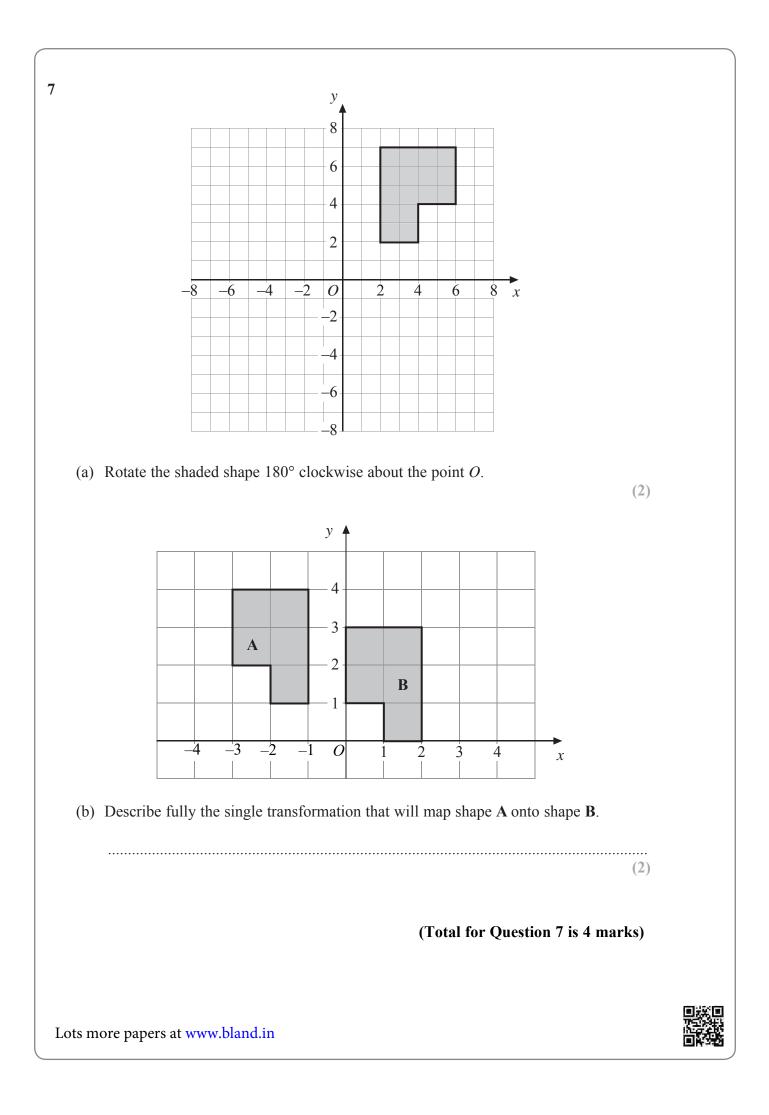
Label the new triangle A.

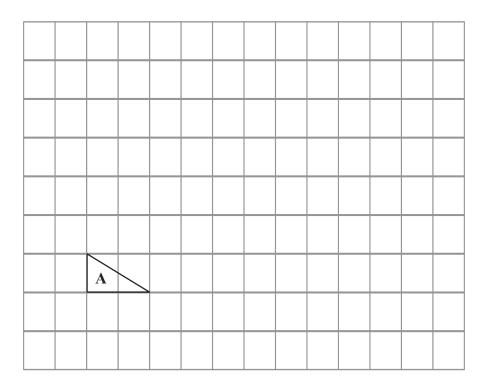
(Total for Question 4 is 2 marks)







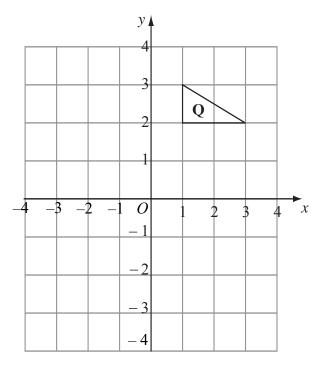




Triangle A has been drawn on a grid.

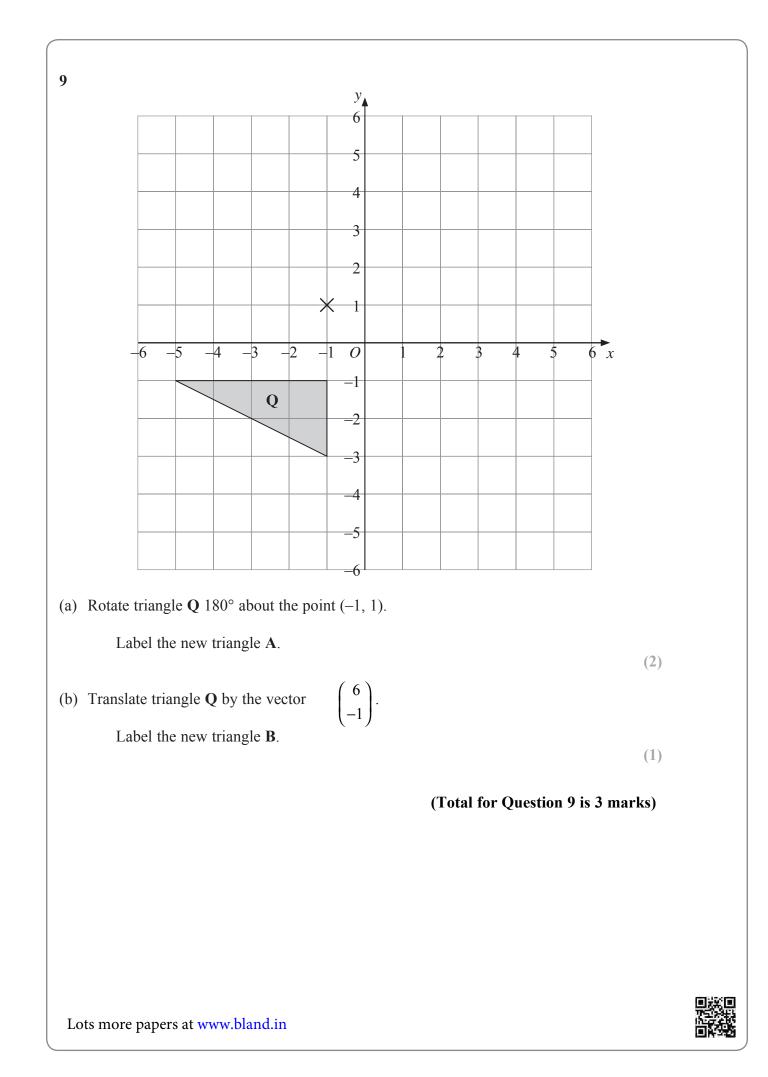
(a) On the grid, draw an enlargement of the

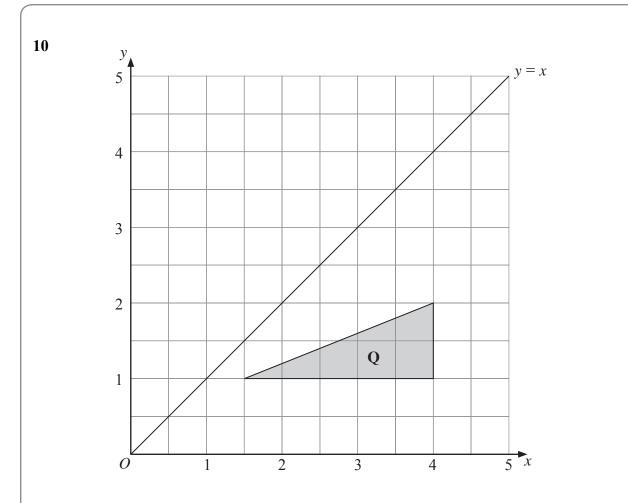
triangle **A** with a scale factor 3.



Triangle Q has been drawn on a grid.(b) On the grid, rotate triangle Q 90° clockwise, centre O.







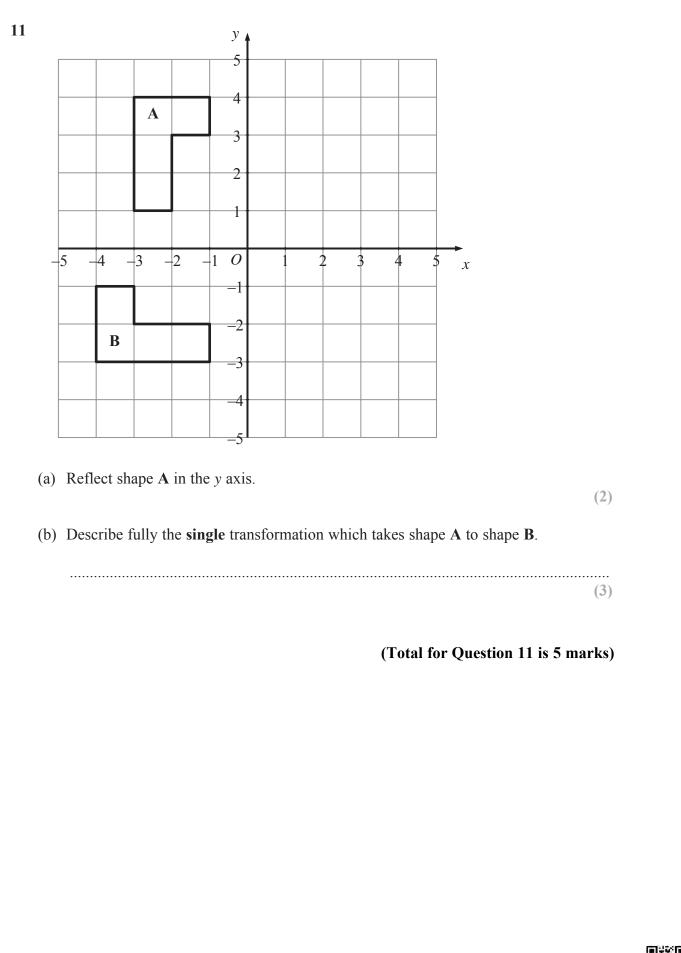
(c) Reflect triangle **Q** in the line y = x.

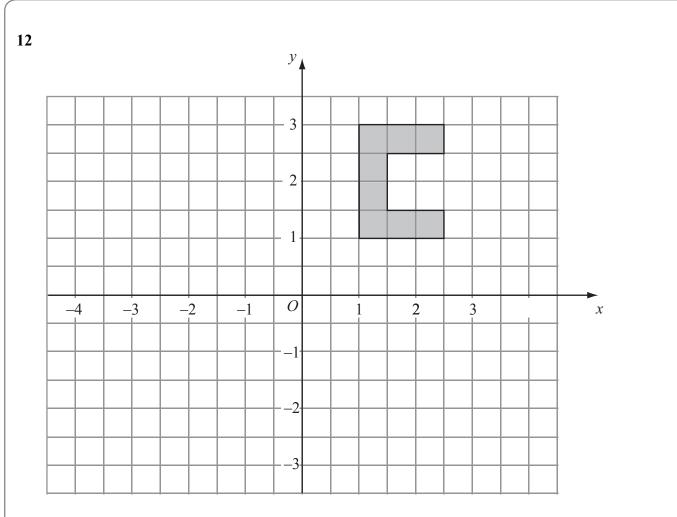
Label the new triangle C.

(5)

(Total for Question 10 is 5 marks)







Rotate the shape 180° centre *O*.

(Total for Question 12 is 2 marks)



