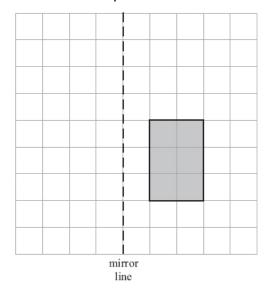
Questions

Q1.

Here is a shaded shape on a grid of centimetre squares.



1	(a)	Find	tha	perimeter	of the	chadad	chana
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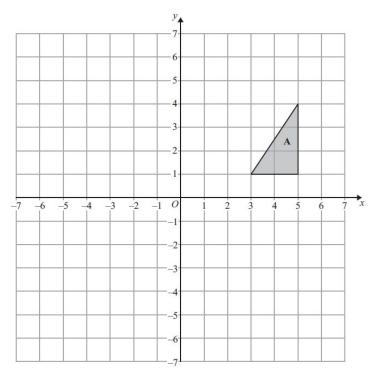
(b) Find the area of the shaded shape.

_	_	_	_	_			_	_			cm ²

(c) Reflect the shaded shape in the mirror line.

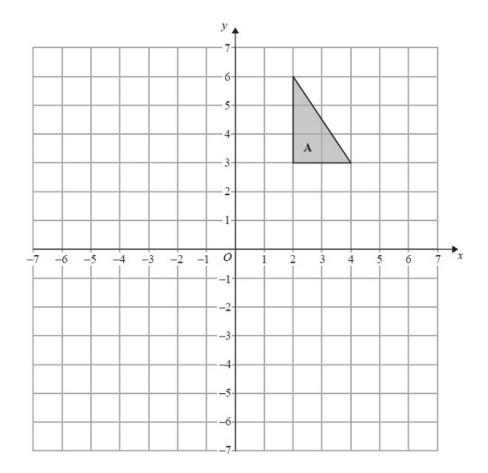
(Total for Question is 4 marks)

Q2.



Triangle **A** is reflected in the *x*-axis to give triangle **B**. Triangle **B** is then reflected in the line x = 1 to give triangle **C**.

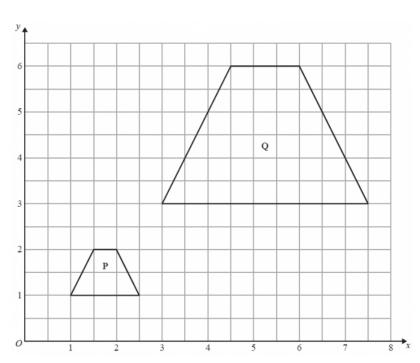
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Describe	fully the single	transforma	tion which	maps tria	ngle A c	onto triangle	в.
Describe	fully the single	transforma	tion which	maps tria	ngle A c	onto triangle	в В.
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		transforma	tion which	maps tria	ngle A c	onto triangle	• B.
		transforma	ition which	maps tria	ngle A c	onto triangle	B.
		transforma		maps tria	ngle A c	onto triangle	• B.
		transforma	y •	maps tria	ngle A c	onto triangle	B.
	on the grid.	transforma	y 1	maps tria	ngle A c	onto triangle	B.
	on the grid.		y • -7		ngle A c	onto triangle	В.
	on the grid.		y 1 -7		ngle A c	onto triangle	• B.
	on the grid.	P	y 1 -7	Q		onto triangle	В.
Describeshapes are shown	on the grid.	P	y 1 -7	Q			В.
	on the grid.	P	y	Q			В.



(b) Rotate triangle $\bf A$ 90° clockwise about the point (0, 2). Label the new triangle $\bf B$.

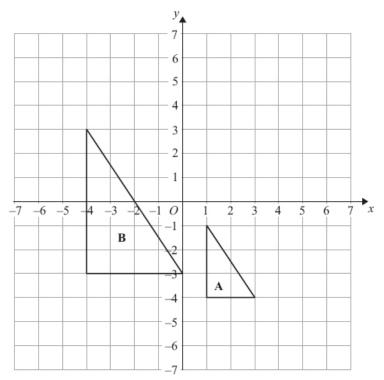
(2) (Total for Question is 4 marks)

Q5.



Describe fully the single transformation that maps shape P onto shape Q .
(3)

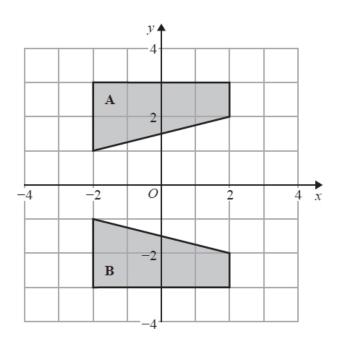
Q6.



Describe fully the single transformation that maps triangle **A** onto triangle **B**.

(Total for Question is 3 marks)

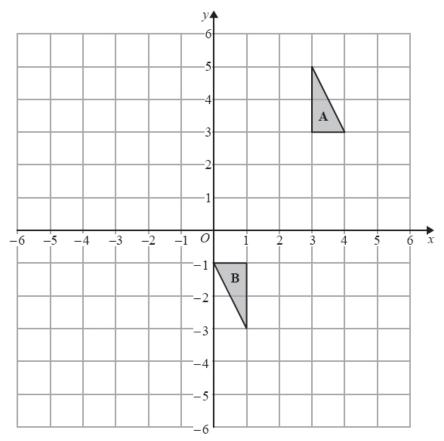
Q8.



Describe fully the single transformation that maps shape **A** onto shape **B**.

...... (2 marks)

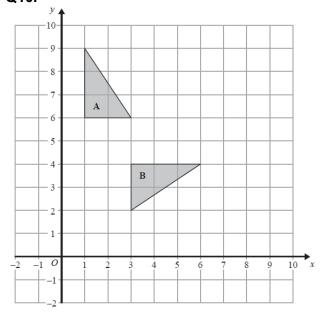
Q9.



D 3 C 11 (1						
Describe fully th	ie sindle tra	ansformation	that mabs	triandie A	. onto triangle B .	

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Q10.



L	Describe fully	/ the single	transformation	that maps	triangle A	🕽 onto triai	ngle B .

(3 mai	rks)
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Q11. a) Describe fully the single transformation that maps triangle P onto triangle Q. (2 marks) b) Describe fully the single transformation that maps triangle Q onto triangle P. (2 marks) Q13. Triangle A is rotated 90° clockwise about the point (0, 1) to give triangle **B**. Triangle **B** is translated by the vector $\begin{pmatrix} -3 \\ -1 \end{pmatrix}$ to give triangle C. Describe fully the single transformation that maps triangle A onto triangle C. (Total for question = 3 marks) 4 Q14. 3 Describe fully the single transformation that maps В A shape A onto shape B. -1 -3

(Total for question = 2 marks)

Q15.

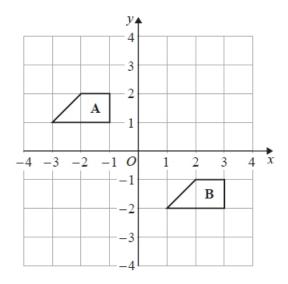
Shape **A** is translated by the vector $\begin{pmatrix} 4 \\ -7 \end{pmatrix}$ to make Shape **B**

Shape **B** is then translated by the vector $\begin{pmatrix} -3 \\ -2 \end{pmatrix}$ to make Shape **C**.

Describe the single transformation that maps Shape A onto Shape C.

......(2 marks)

Q16.

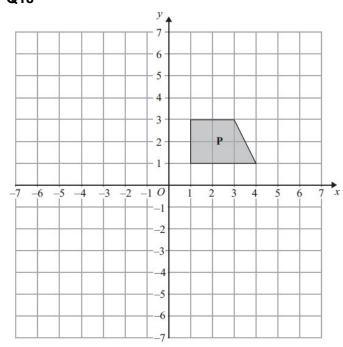


Describe the single transformation that maps shape A onto shape B .	
	(2 marks)

Q17.

Describe fully the single transformation that maps triangle P onto triangle Q.

(Total for Question is 2 marks)



Shape **P** is reflected in the line x = -1 to give shape **Q**.

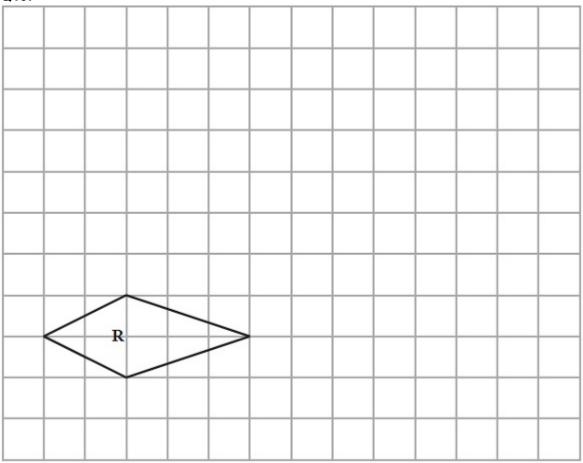
Shape **Q** is reflected in the line y = 0 to give shape **R**.

Describe fully the \mathbf{single} transformation that maps shape \mathbf{P} onto shape \mathbf{R} .

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(Total for Question is 3 marks)

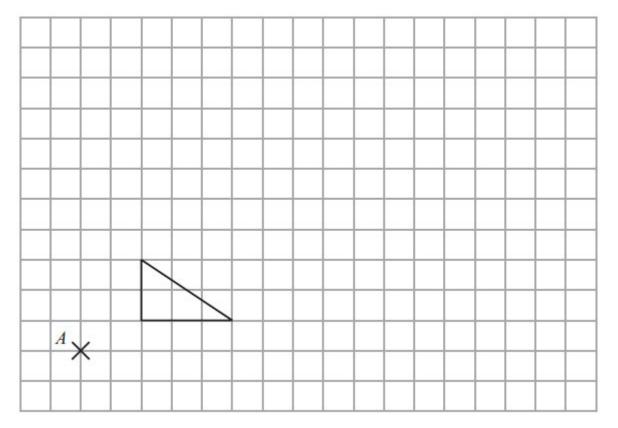
Q19.



On the grid, draw an enlargement of shape R with a scale factor of 2

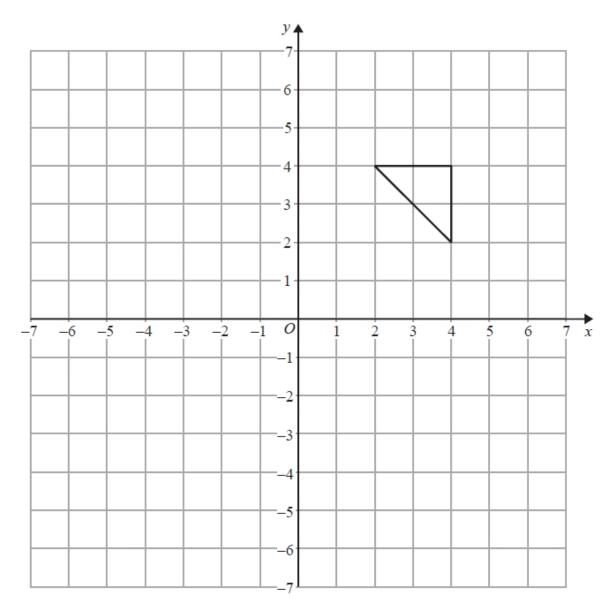
(Total for Question is 2 marks)

Q20.



On the grid, enlarge the shape with scale factor 3, centre \boldsymbol{A} .

(Total for Question is 3 marks)

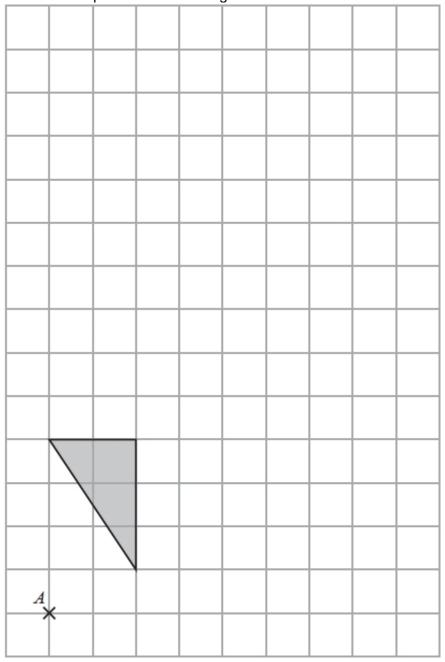


On the grid, enlarge the triangle by scale factor $-1\frac{1}{2}$, centre (0, 2)

(Total for question = 2 marks)

Q22.

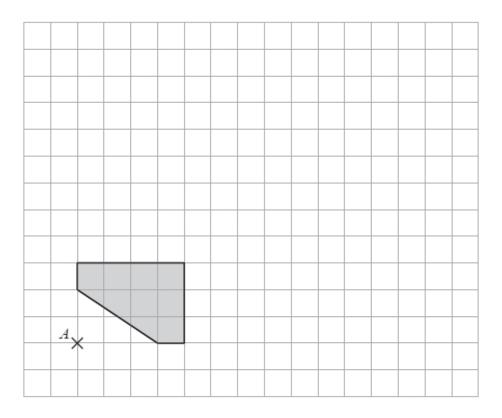
A shaded shape is shown on the grid.



On the grid, enlarge the shape by a scale factor of 2, centre A.

(Total for question = 2 marks)

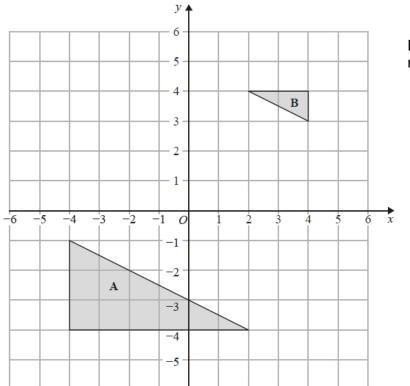
Q23.



On the grid, enlarge the shape by scale factor 3, centre A.

(Total for question = 3 marks)

Q24.



Describe fully the single transformation that maps triangle **A** onto triangle **B**.

(2 marks)