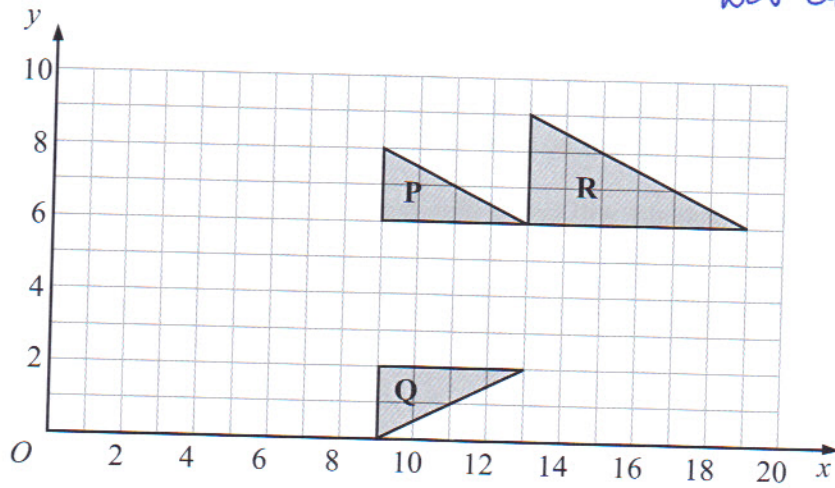


6.

DDU 09 4H



(a) Describe fully the single transformation which maps triangle P onto triangle Q.

..... (2)

(b) Describe fully the single transformation which maps triangle P onto triangle R.

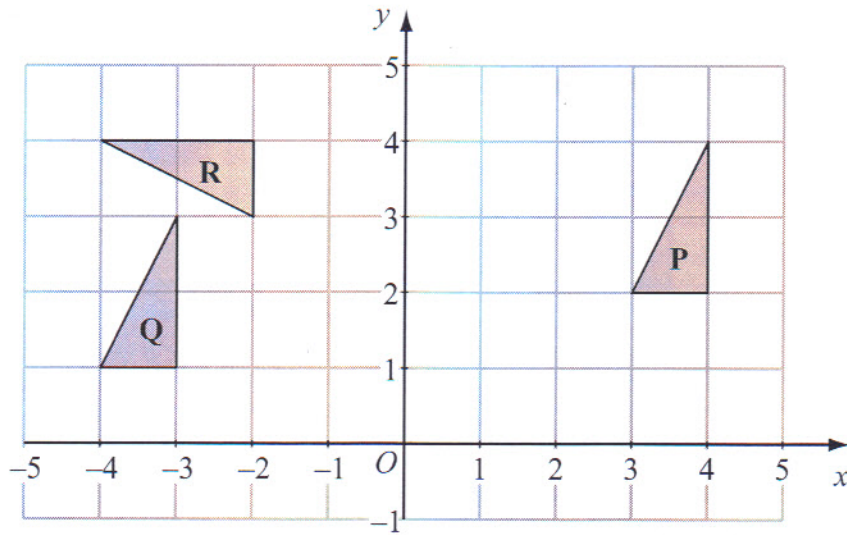
.....  
 ..... (3)

(Total 5 marks)

Q6

4.

Nov 08 3H



(a) Describe fully the single transformation which maps triangle P onto triangle Q.

.....  
 .....  
 (2)

(b) Describe fully the single transformation which maps triangle P onto triangle R.

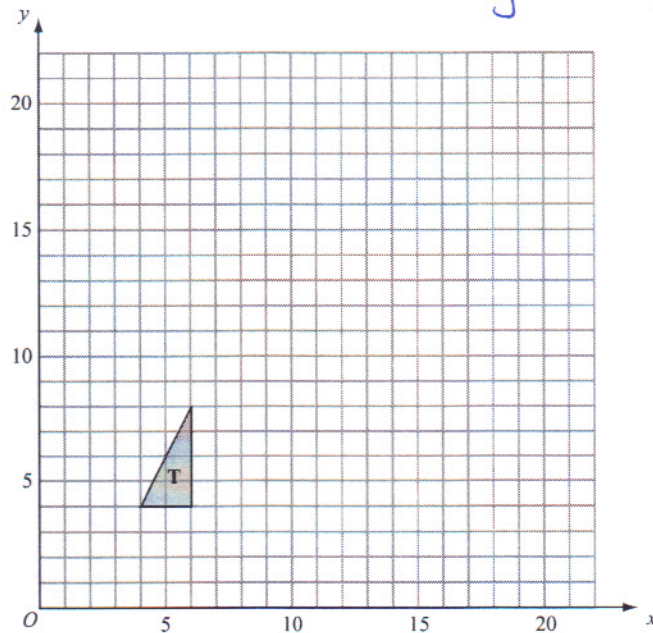
.....  
 .....  
 (3)

(Total 5 marks)

Q4

3.

May 09 3H



On the grid, enlarge triangle T with a scale factor of  $2\frac{1}{2}$  and centre (0, 0).

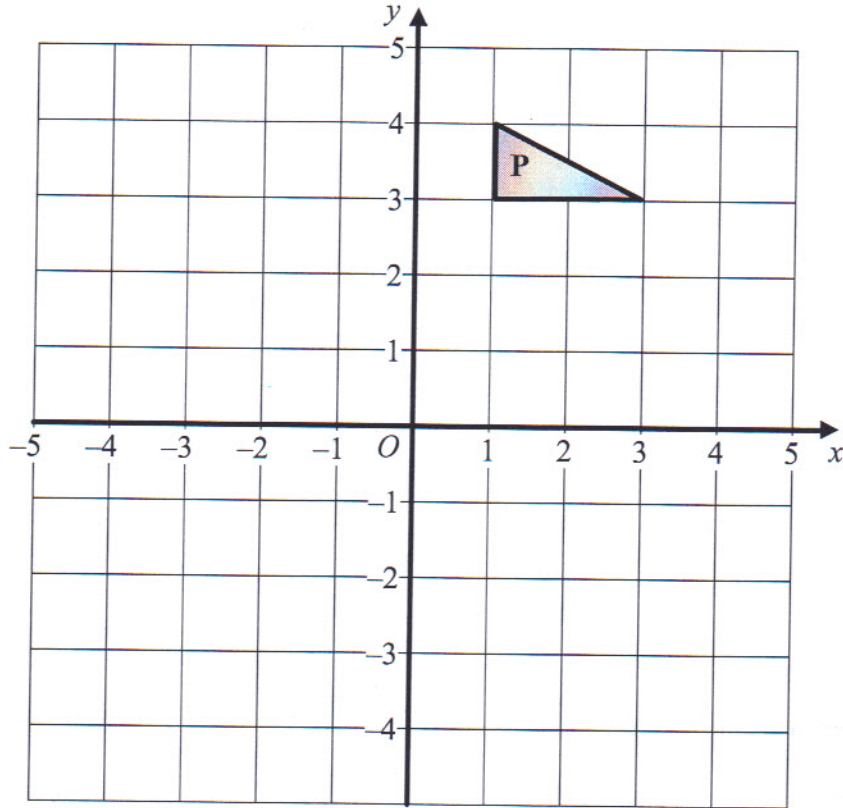
(Total 3 marks)

Leave blank

Q3

Nov 06 3H

10.



Reflect triangle **P** in the  $y$ -axis to give triangle **Q**.  
 Then rotate triangle **Q** about  $O$  through  $90^\circ$  clockwise to give triangle **R**.

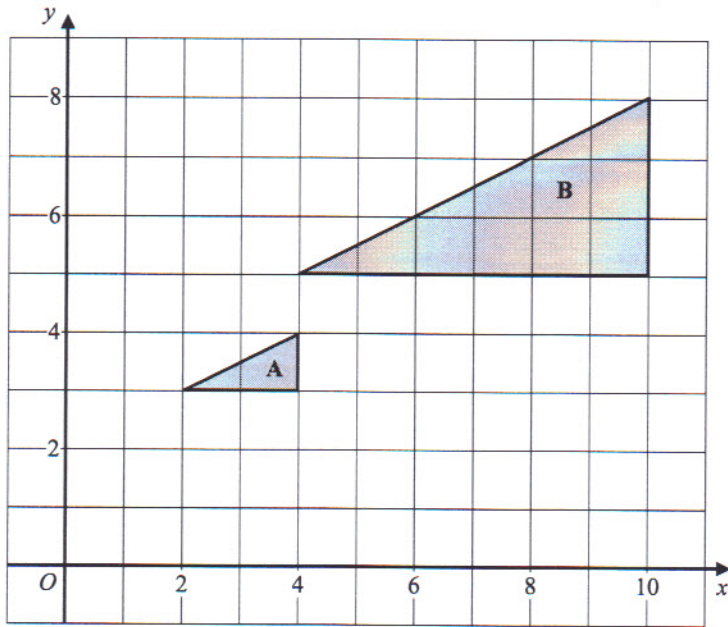
Describe fully the **single** transformation which maps triangle **P** onto triangle **R**.

.....  
 .....

(Total 4 marks)

Q10

11.



(a) Describe fully the **single** transformation which maps triangle A onto triangle B.

.....  
.....

(3)

(b) On the grid, translate triangle A by the vector  $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$ .

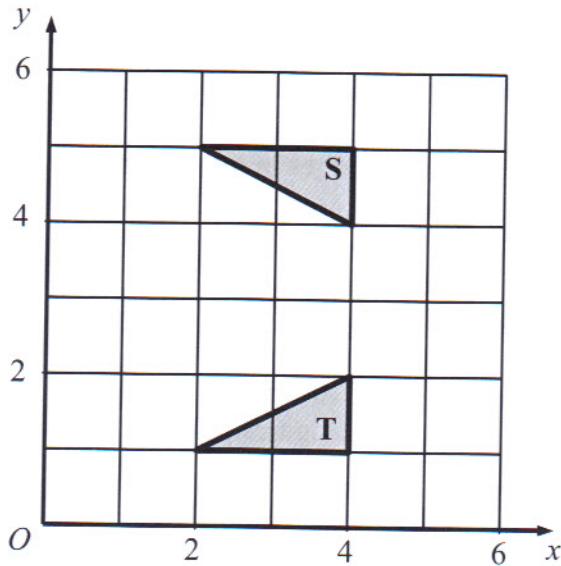
Label the new triangle C.

(2)

Q11

(Total 5 marks)

3.



Describe fully the single transformation that maps triangle S onto triangle T.

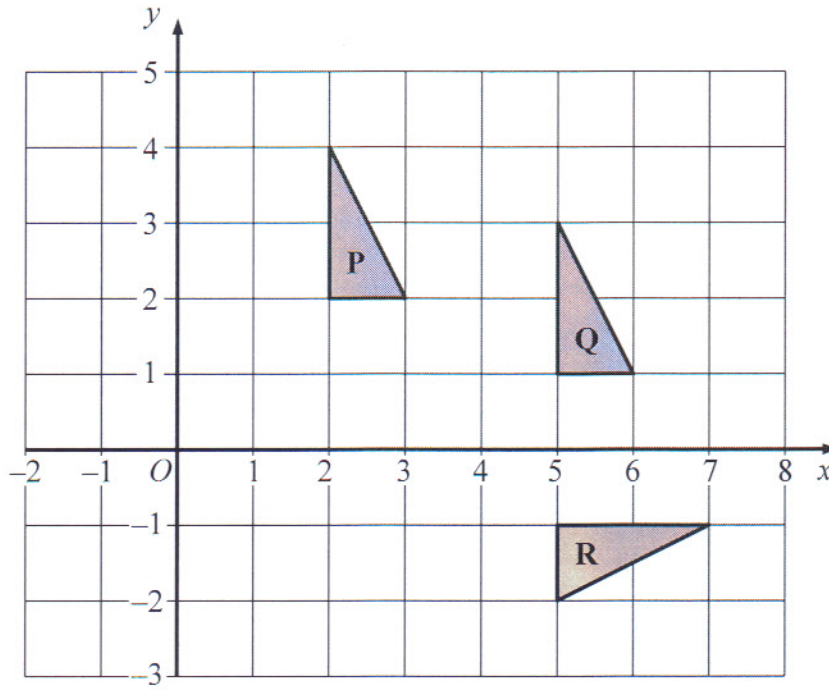
.....

(Total 2 marks)

Q3

May 07  
3H

4.



(a) Describe fully the single transformation which maps triangle **P** onto triangle **Q**.

.....  
 .....

(2)

(b) Describe fully the single transformation which maps triangle **P** onto triangle **R**.

.....  
 .....

(3)

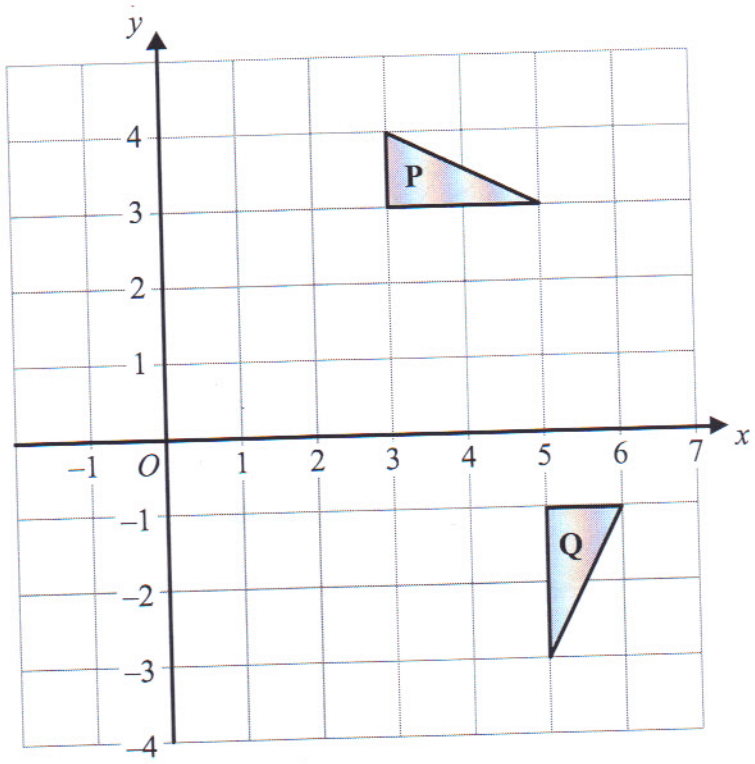
(Total 5 marks)

Q4

□

Nov 05 4H

6.



(a) Describe fully the **single** transformation that maps **P** onto **Q**.

.....  
 .....  
 (3)

(b) Another shape, **R**, is enlarged by scale factor 2 to give shape **S**.

Write down whether each of the following statements is a true statement or a false statement.

- (i) The lengths in **R** and **S** are the same. ....
- (ii) The angles in **R** and **S** are the same. ....
- (iii) Shapes **R** and **S** are similar. ....
- (iv) Shapes **R** and **S** are congruent. ....

(2)

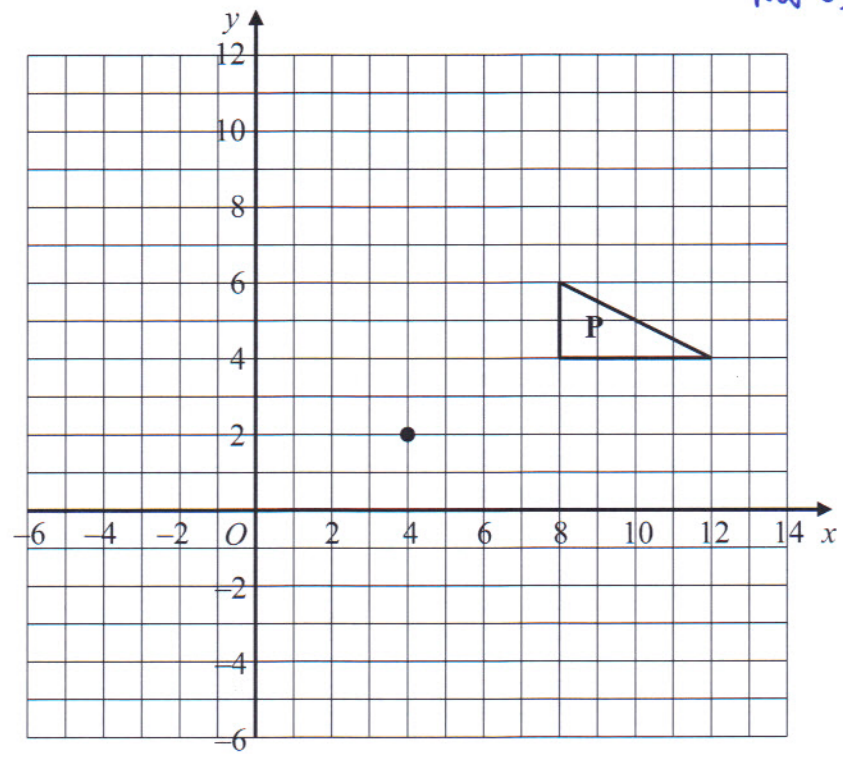
(Total 5 marks)

Q6



Nov 05 3H

9. (a)



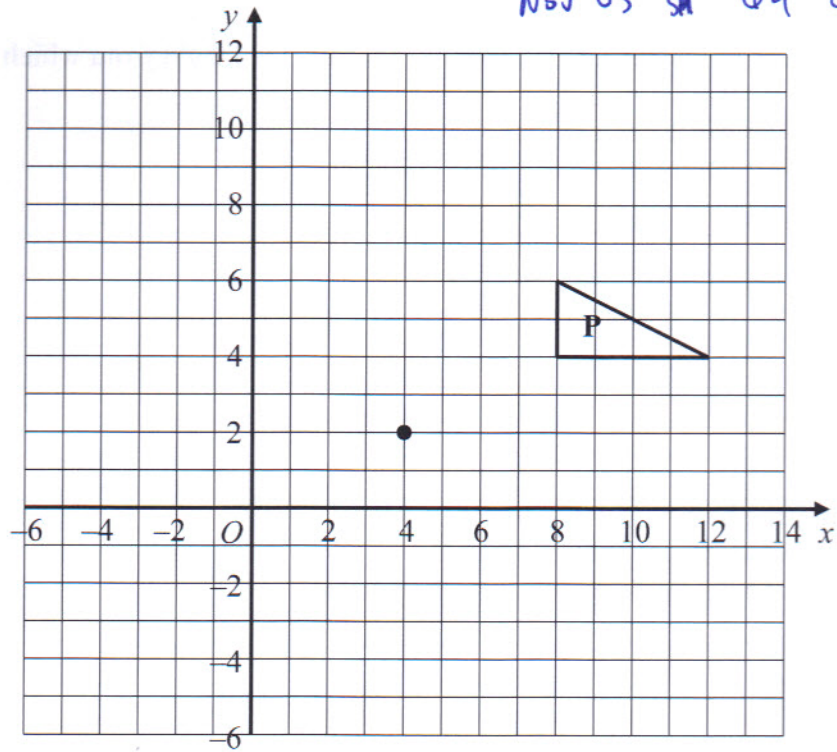
On the grid, rotate triangle **P**  $90^\circ$  anti-clockwise about the point (4, 2).

(2)



Nov 05 3A Q9 Cont.

(b)



On the grid, enlarge triangle **P** with scale factor  $\frac{1}{2}$  and centre (4, 2).

(2)

(Total 4 marks)

Q9