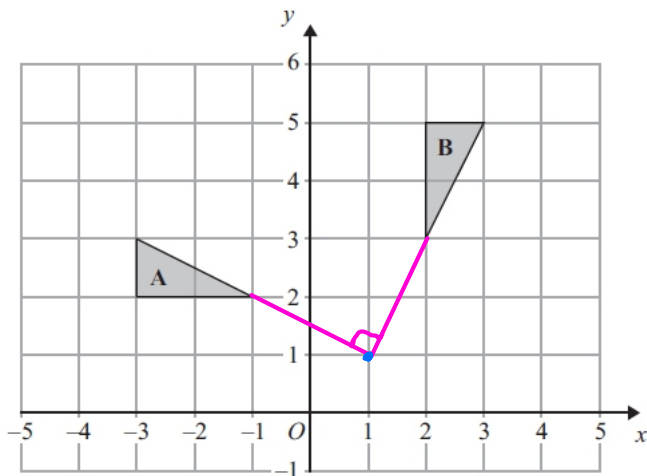# Questions on Transformations

Q1.
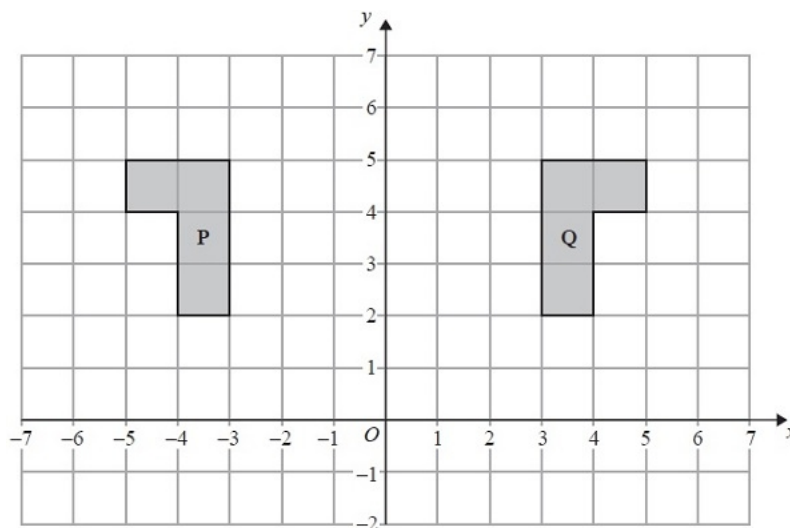

Describe fully the single transformation which maps triangle **A** onto triangle **B**.

Rotation by 90° clockwise about point (1, 1)
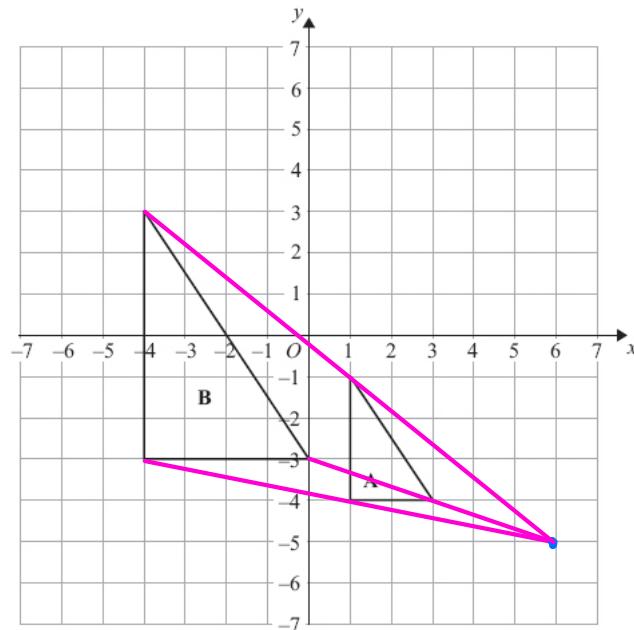
(Total for Question is 3 marks)

Q2.

Two shapes are shown on the grid.

Describe fully the single transformation that maps shape **P** onto shape **Q**.

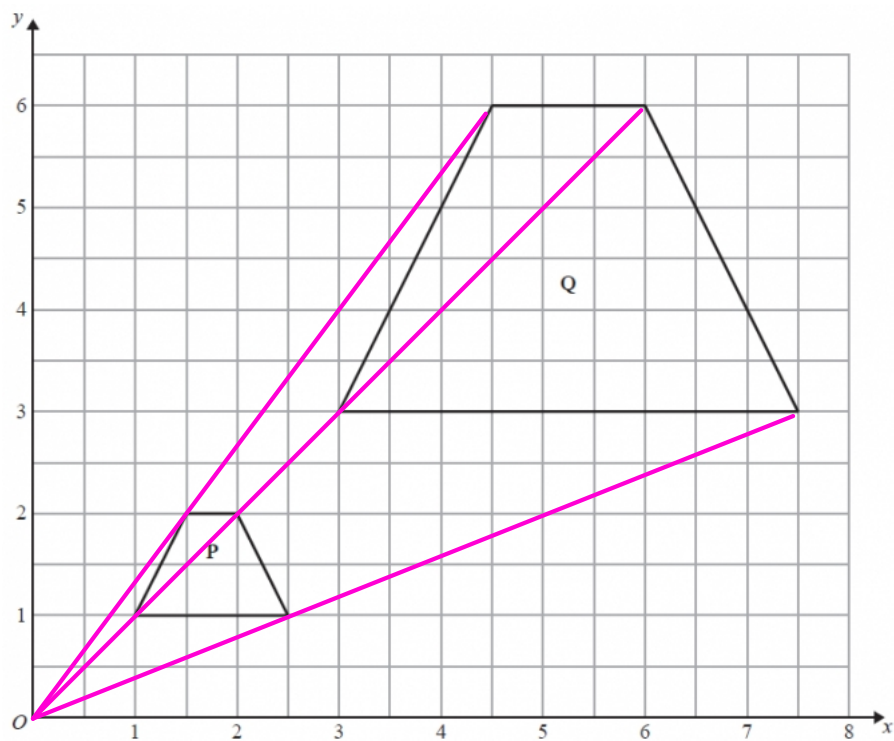*Reflection in y-axis (or in line x = 0)*

(2)

Q3.

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

Enlargement by scale factor 2 about point (6,-5)
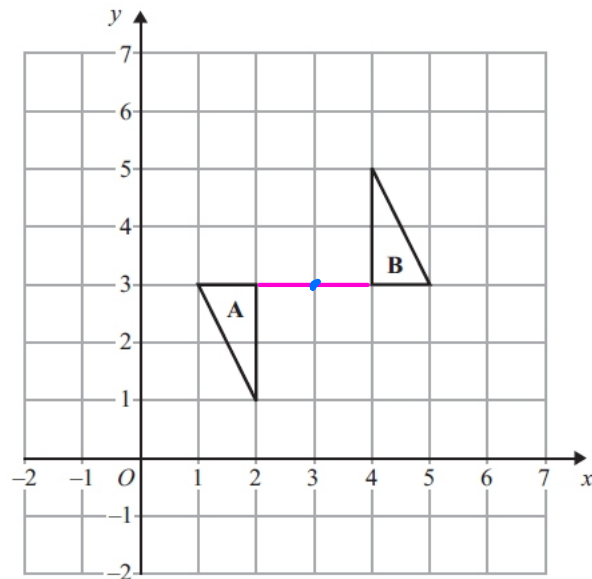
(Total for Question is 3 marks)

Q4.

Describe fully the single transformation that maps shape **P** onto shape **Q**.

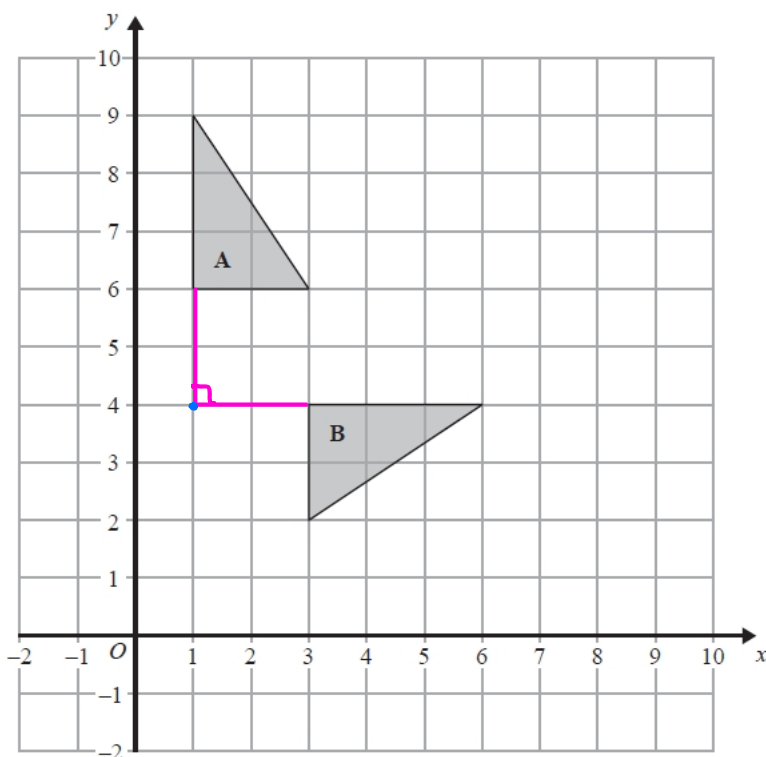Enlargement by scale factor 3 about point (0,0)

(Total for Question is 3 marks)

Q5.

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

Rotation by 180° about point (3,3)
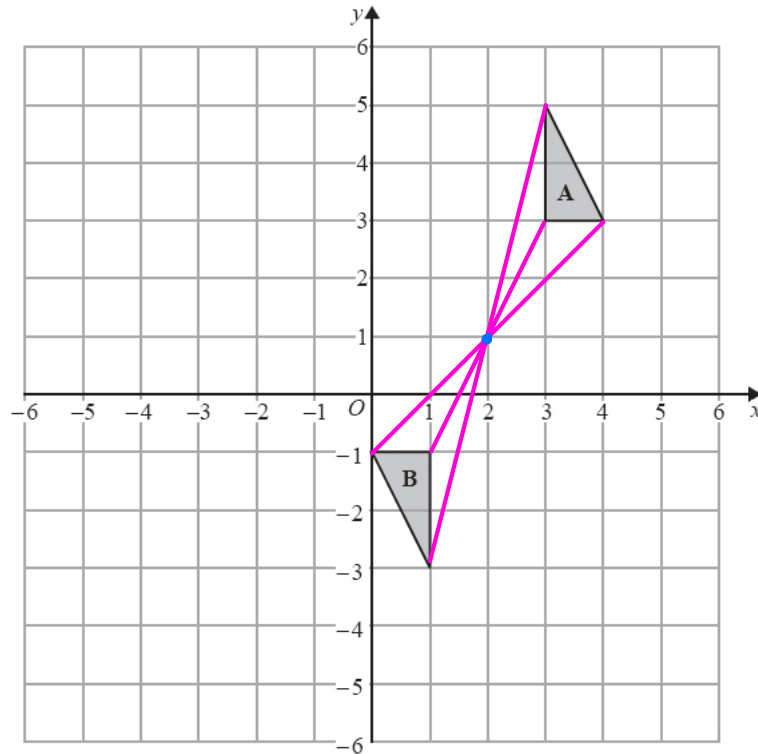
(Total for Question is 3 marks)

Q6.

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

Rotation by 90° clockwise about point (1,4)
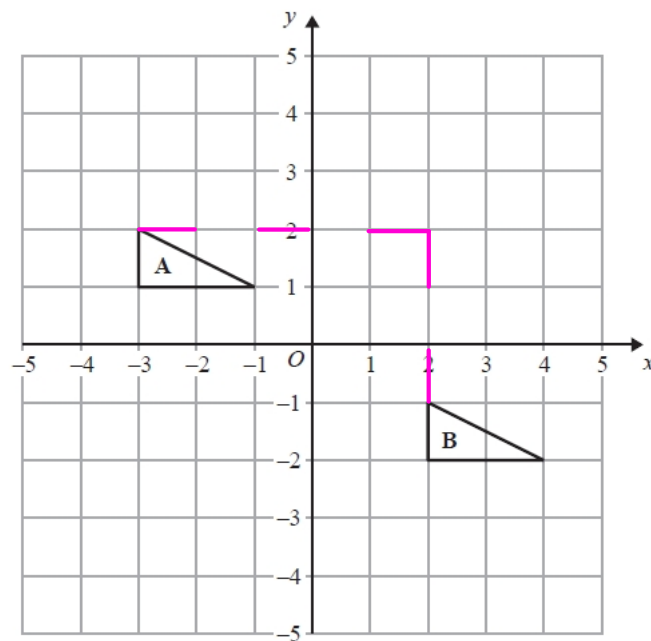
(Total for question = 3 marks)

Q7.

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

Rotation by 180° about point (2,1)

....(Total for question = 3 marks)

Q8.

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

Translation by $\begin{pmatrix} 5 \\ -3 \end{pmatrix}$

....(Total for Question is 2 marks)