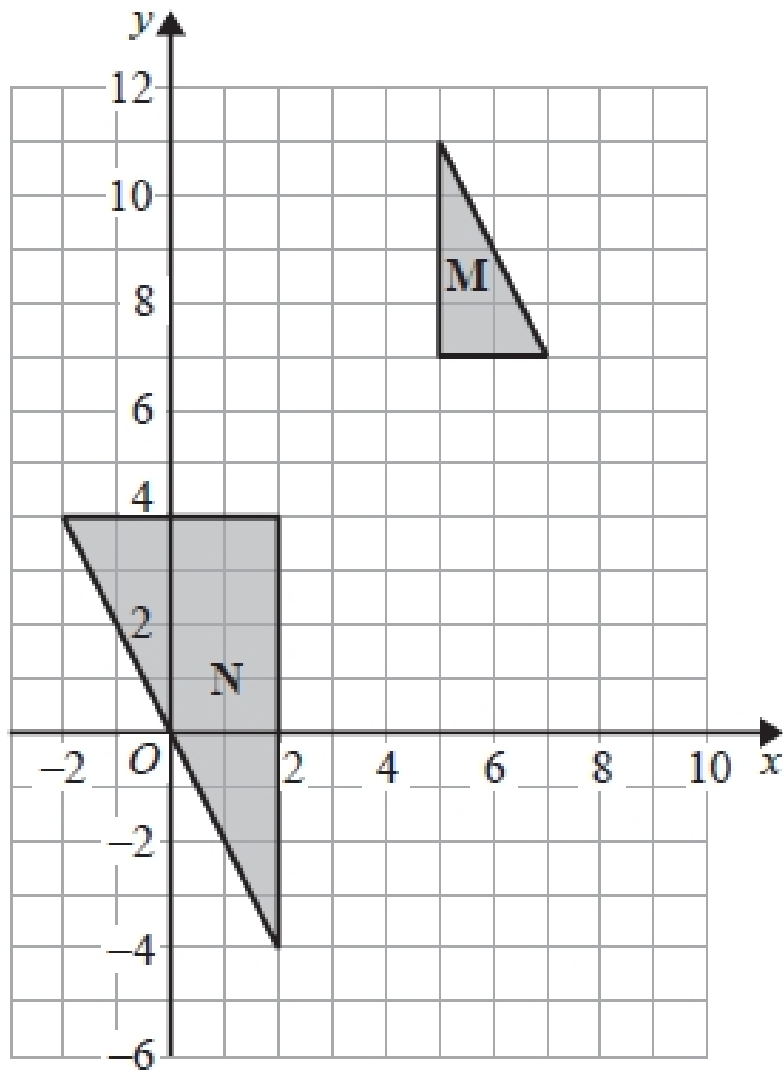


## G216 Transformations 2

Q1.



Describe fully the single transformation that maps triangle **M** onto triangle **N**.

.....

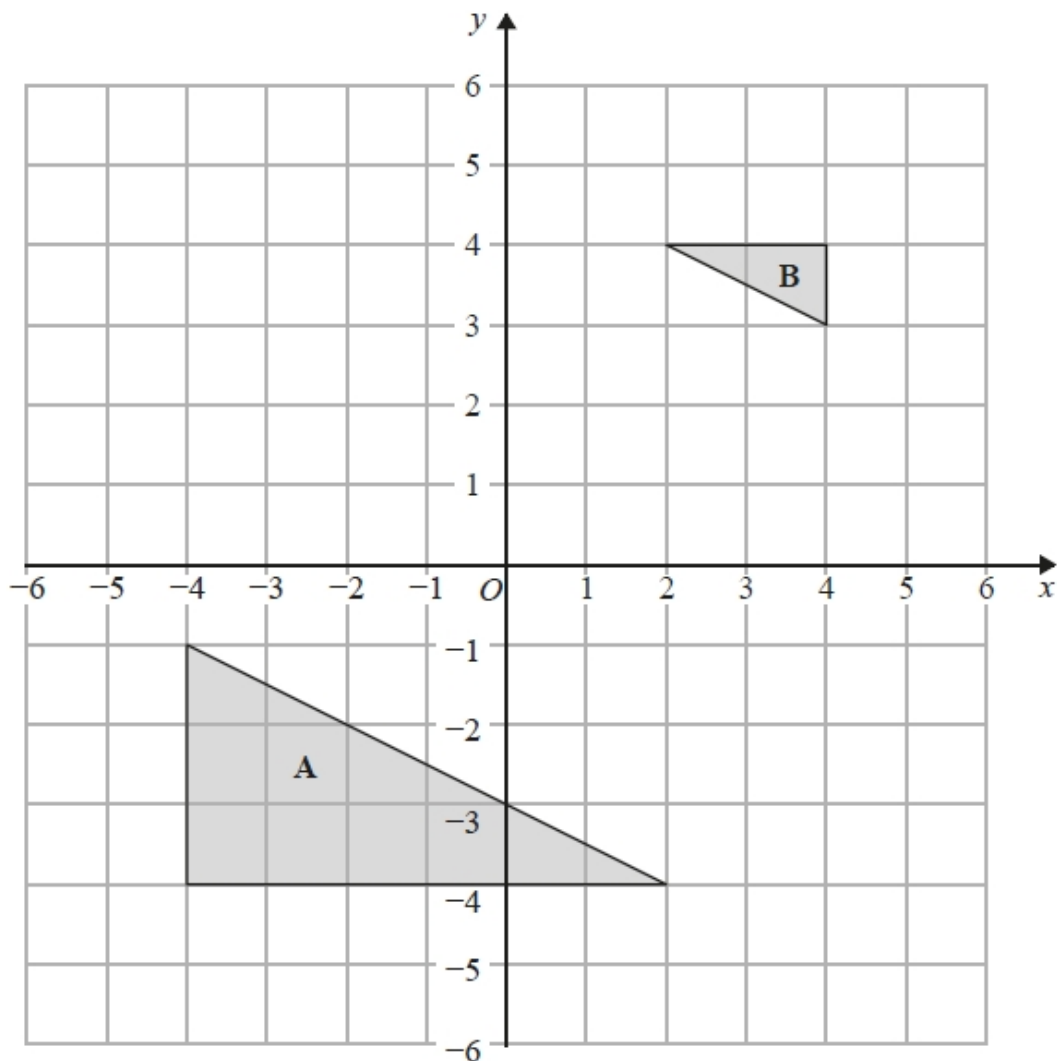
.....

.....

.....

**(Total for question = 2 marks)**

**Q2.**

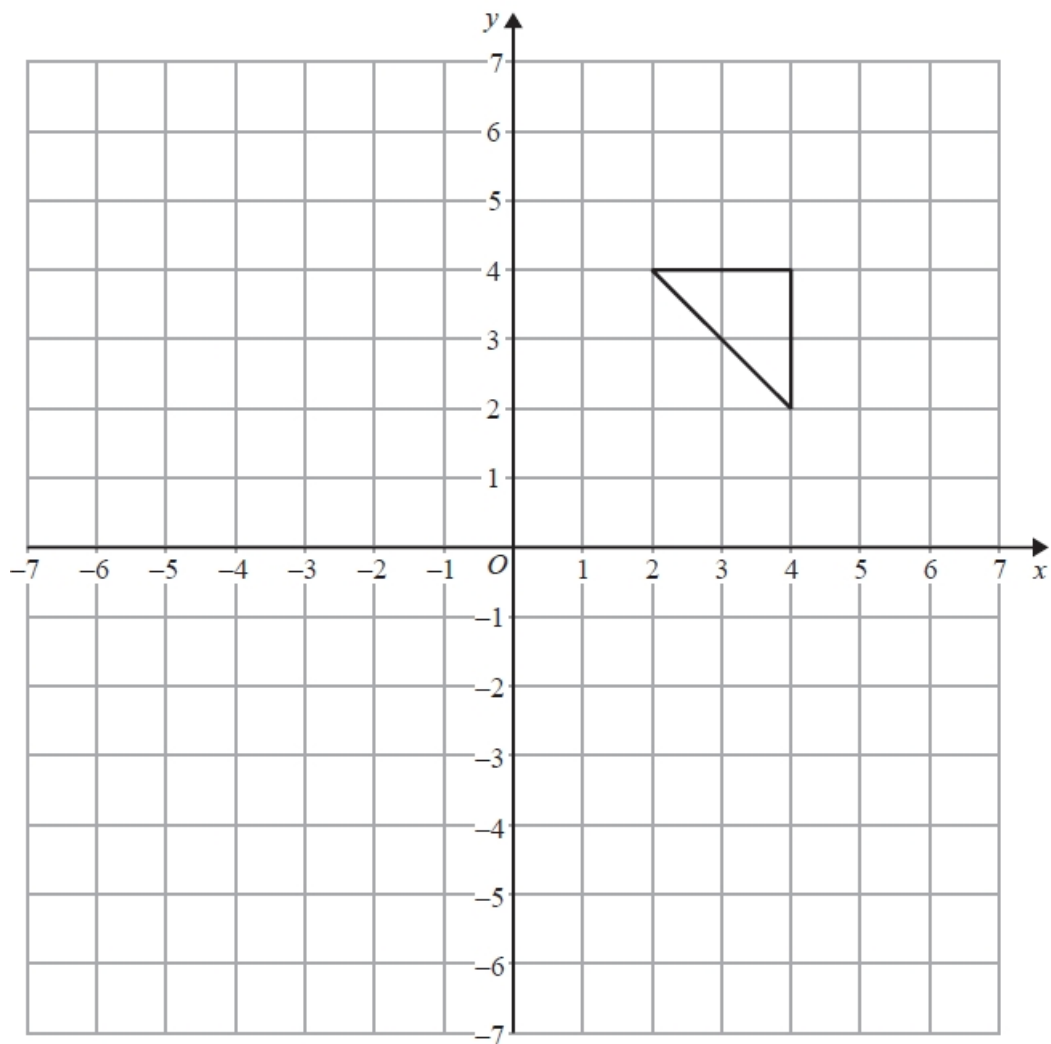


Describe fully the single transformation that maps triangle **A** onto triangle **B**.

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.....  
.....  
.....

**(Total for question = 2 marks)**

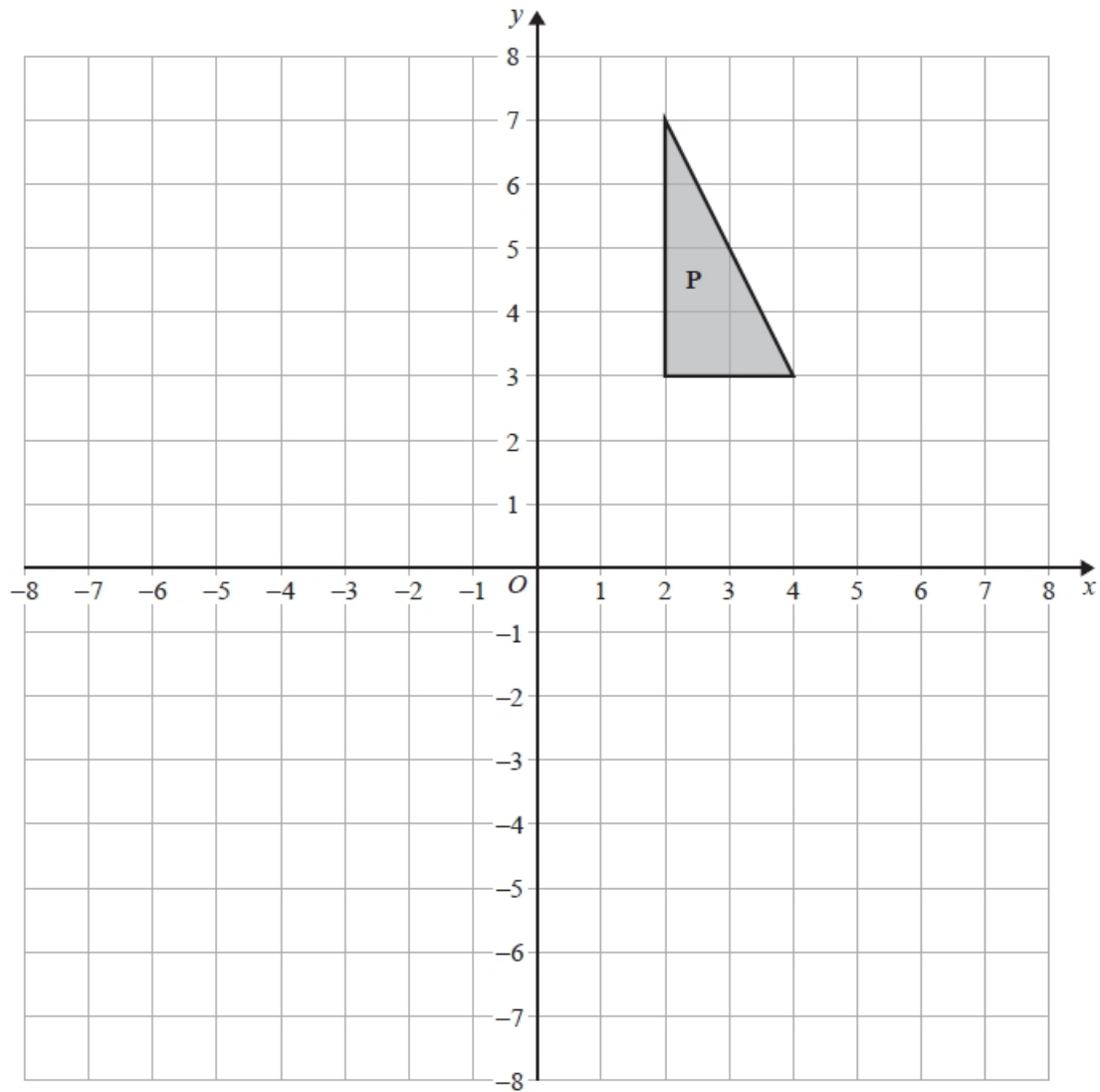
**Q3.**



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

**(Total for question = 2 marks)**

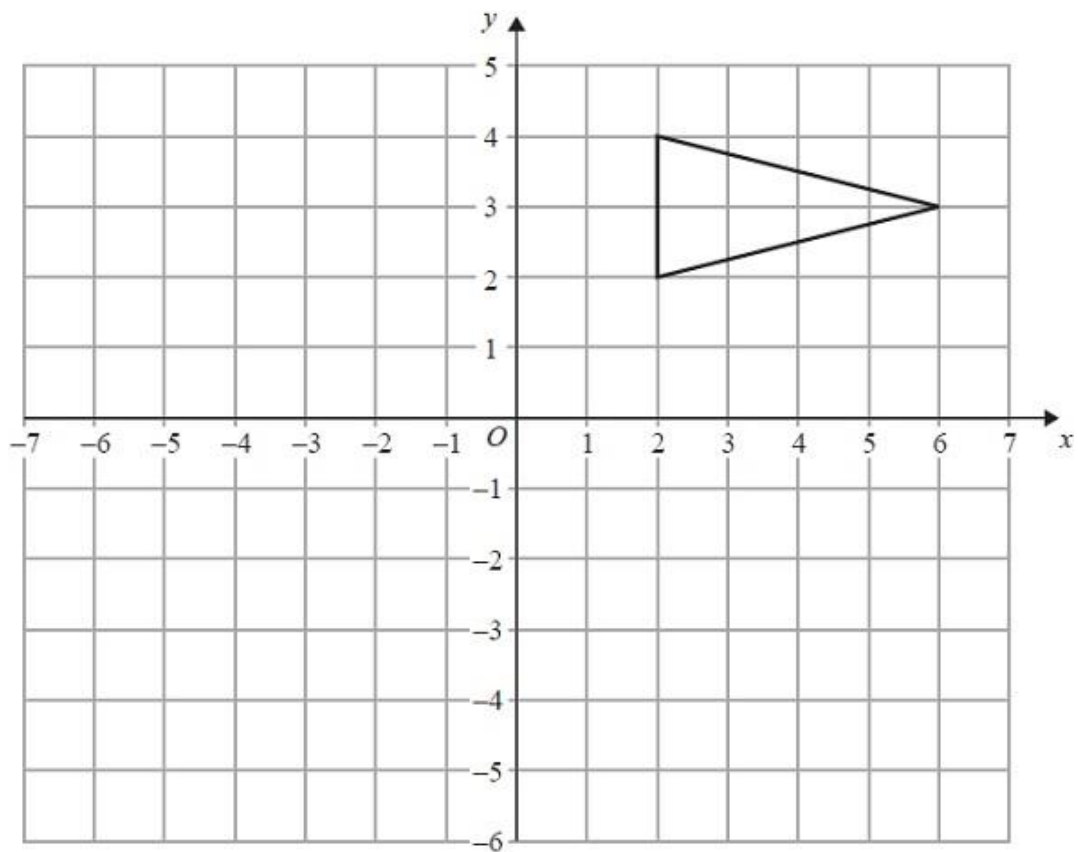
**Q4.**



Enlarge shape **P** by scale factor  $-\frac{1}{2}$  with centre of enlargement (0, 0).  
Label your image **Q**.

**(Total for question = 2 marks)**

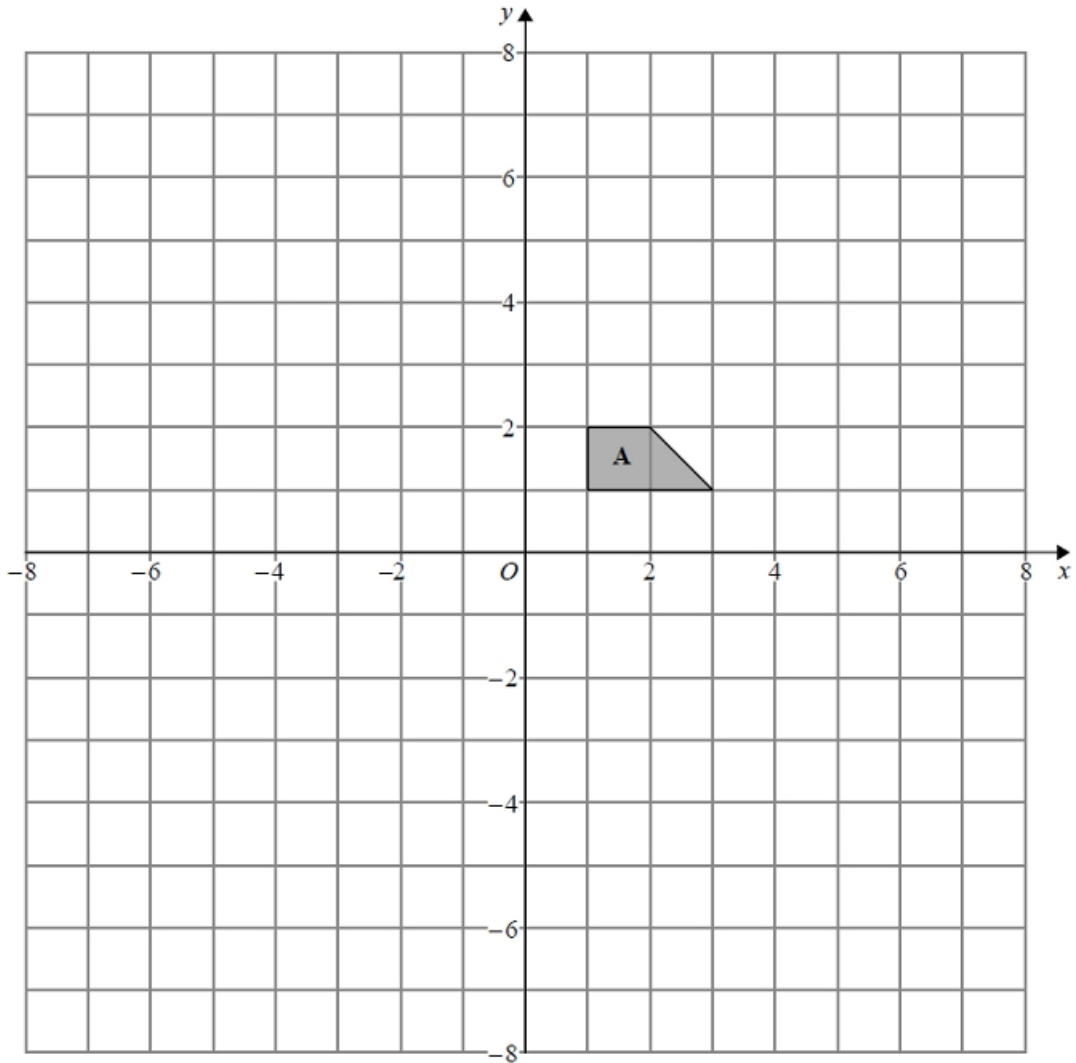
**Q5.**



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

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

Q6.



(a) Enlarge shape **A** by scale factor  $-2$ , centre  $(0, 0)$   
Label your image **B**.

(2)

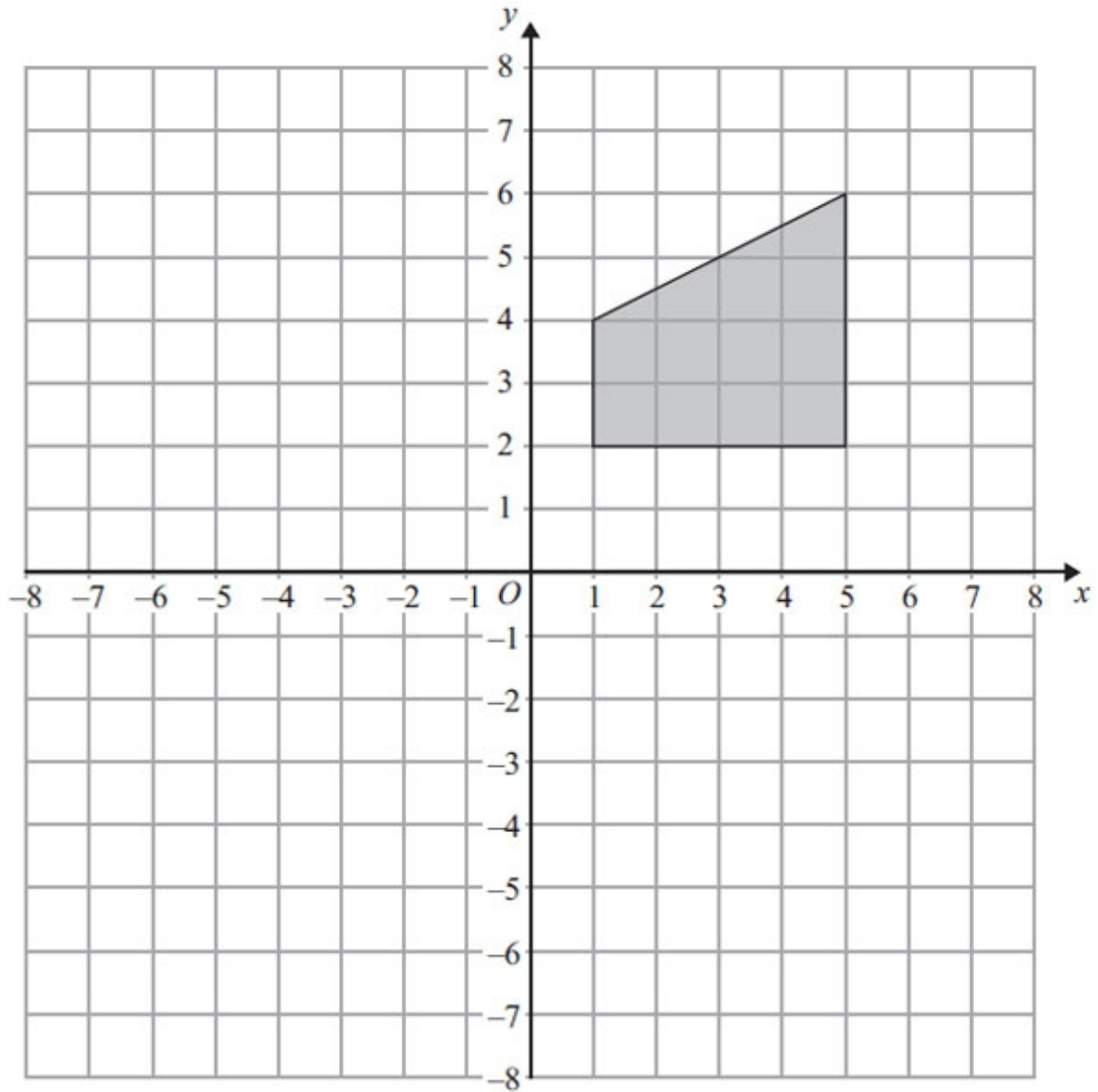
(b) Describe fully the single transformation that will map shape **B** onto shape **A**.

.....  
.....  
.....  
.....

(1)

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

Q7.



Enlarge the shaded shape by scale factor  $-\frac{1}{2}$  with centre  $(-1, -2)$ .

**(Total for Question is 3 marks)**