

Name: \_\_\_\_\_

## ASM Tuition Academy

### REFLECTIONS

#### Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided  
- there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out**.

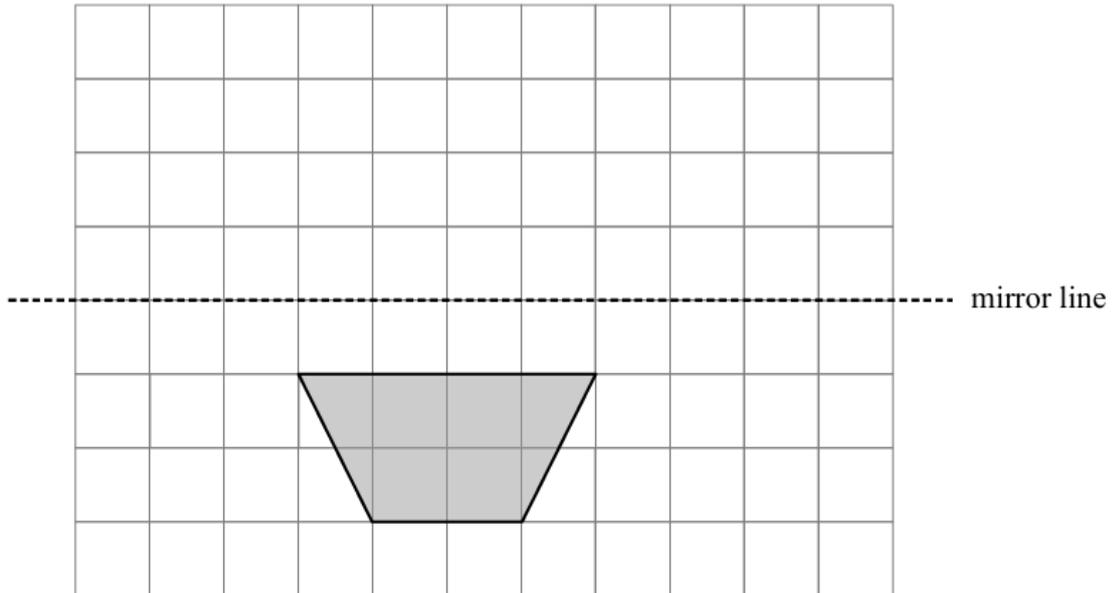
#### Information:

- 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 time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1.

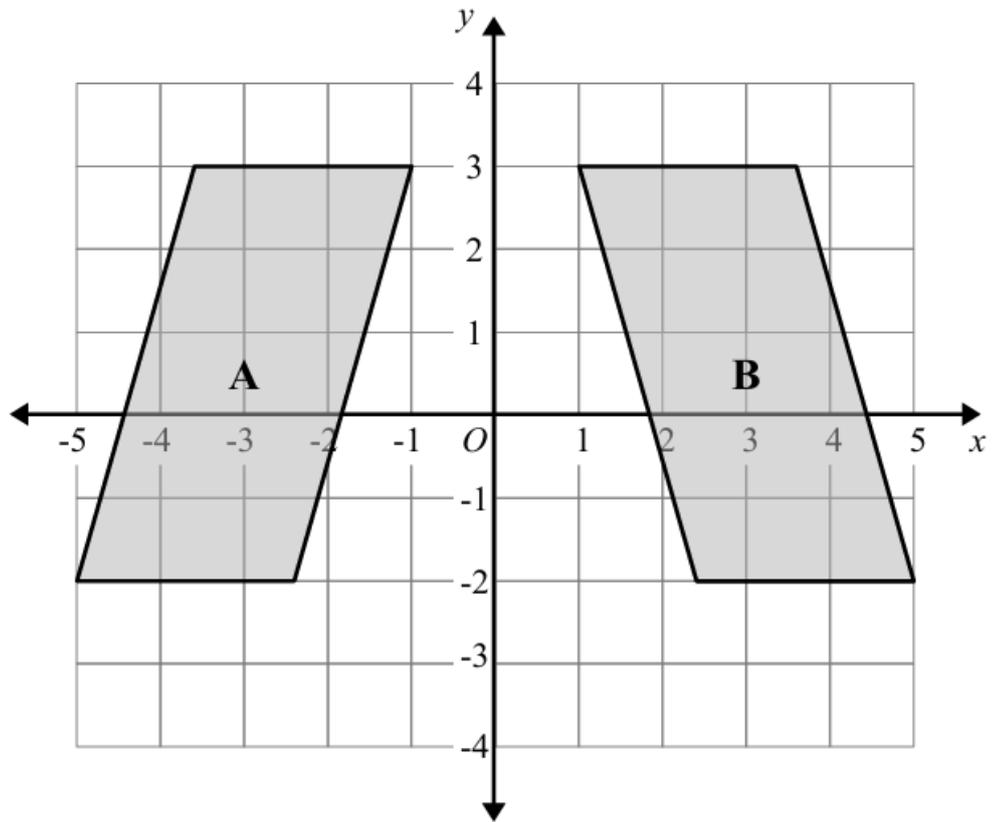


On the grid, reflect the shaded shape in the mirror line.

---

**(Total for question 1 is 1 mark)**

Q2.

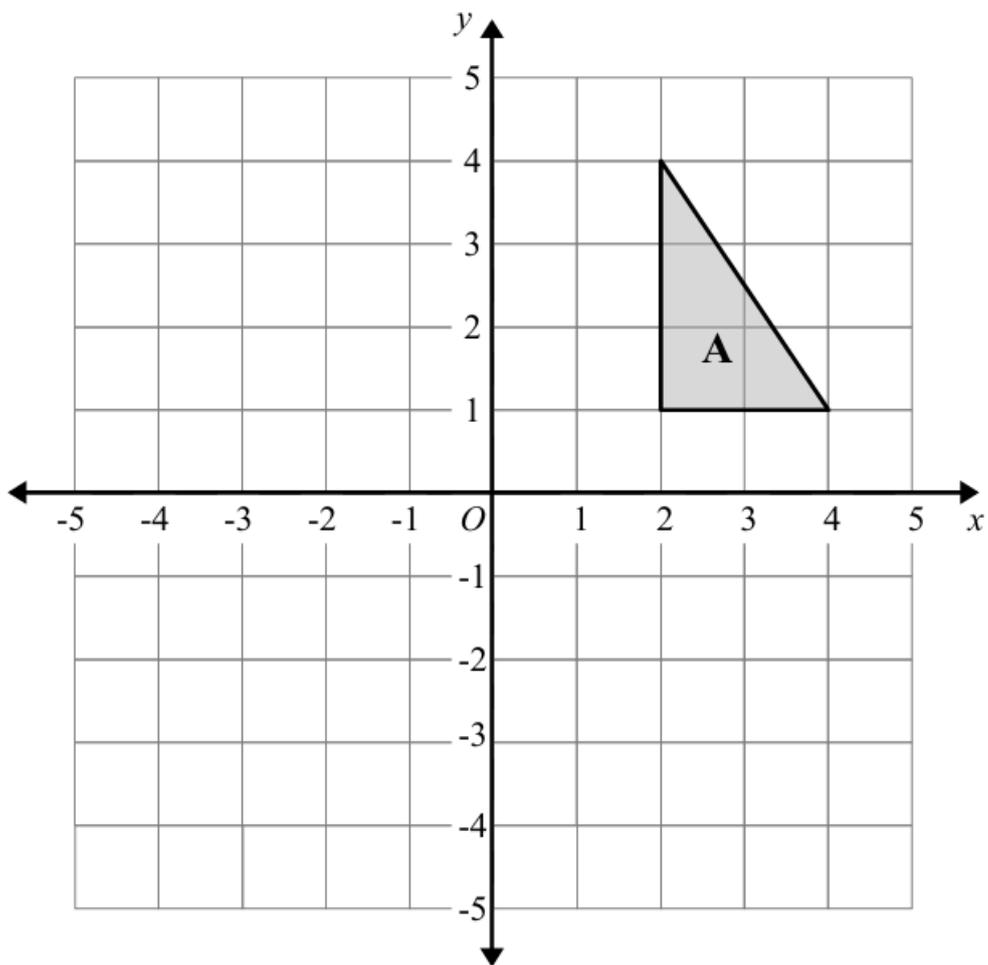


Describe fully the single transformation that maps shape A onto shape B.

---

(Total for question 2 is 2 marks)

Q3.

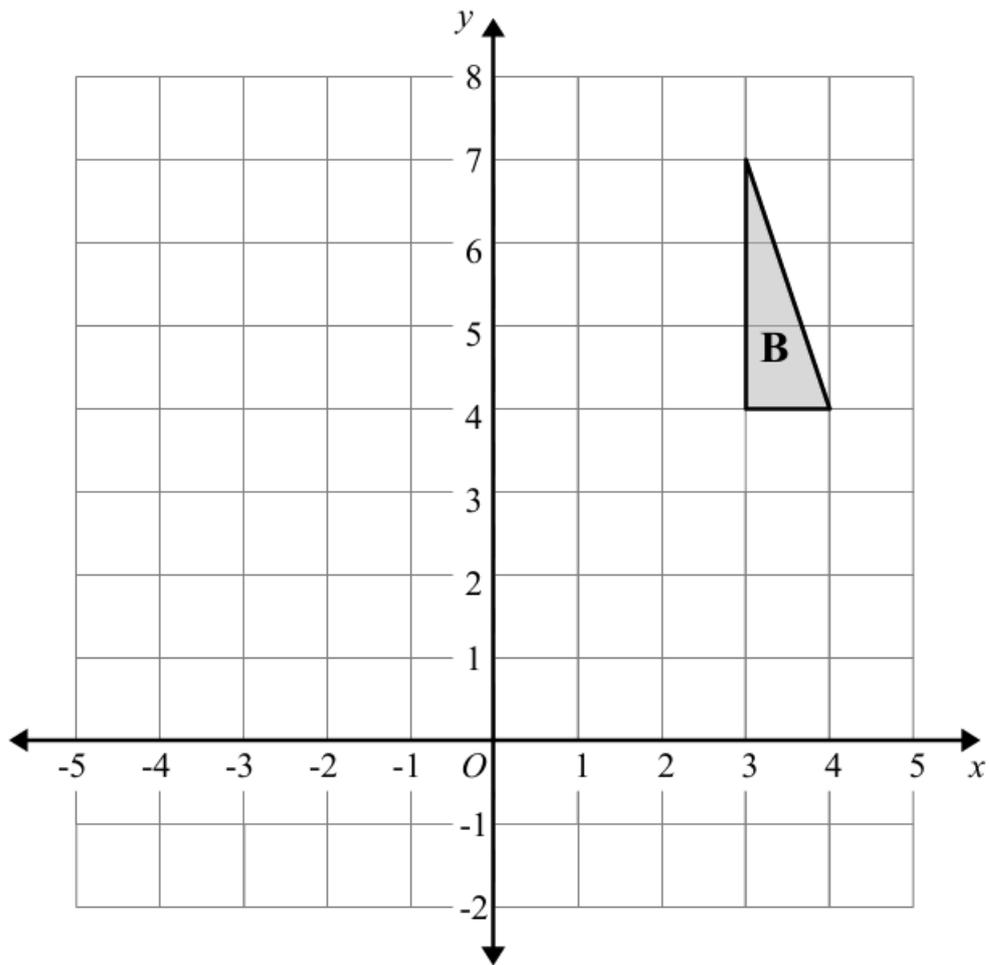


Reflect triangle A in the y-axis.

**(Total for question 3 is 2 marks)**

---

Q4.

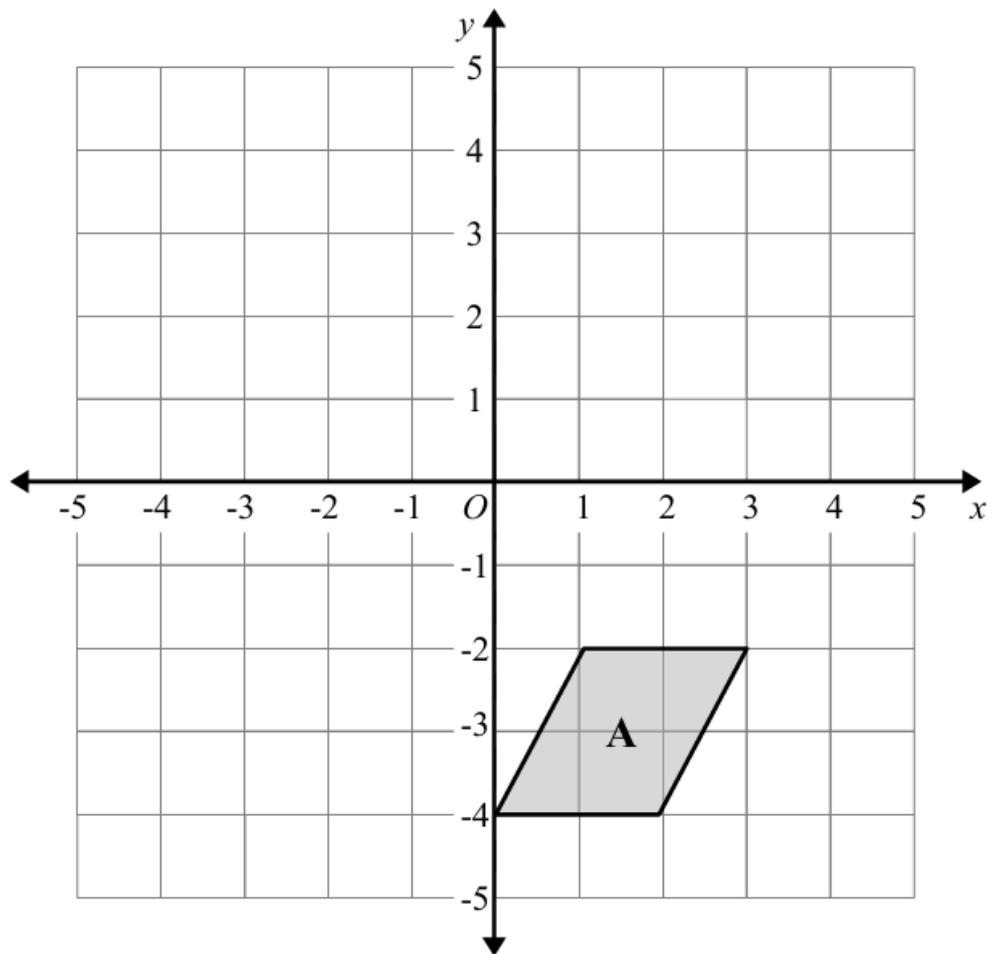


Reflect shape B in line  $y = 3$ .

(Total for question 4 is 2 marks)

---

Q5.

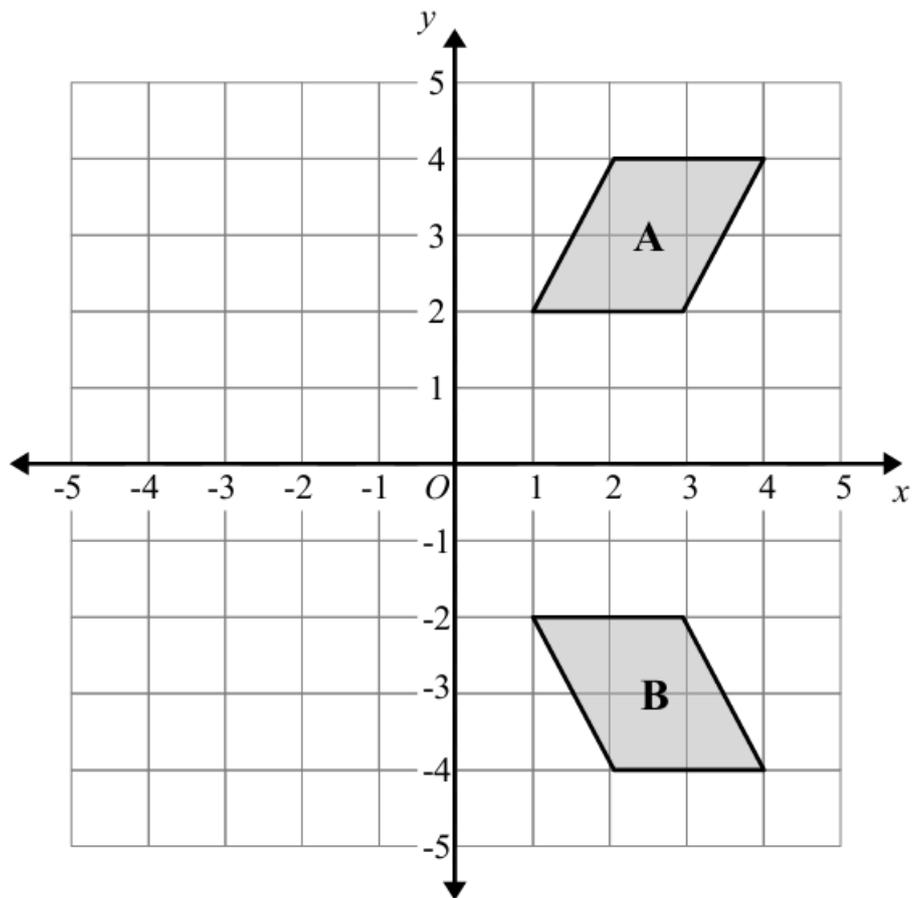


Reflect shape A in the line with equation  $x = -1$

**(Total for question 5 is 2 marks)**

---

Q6.

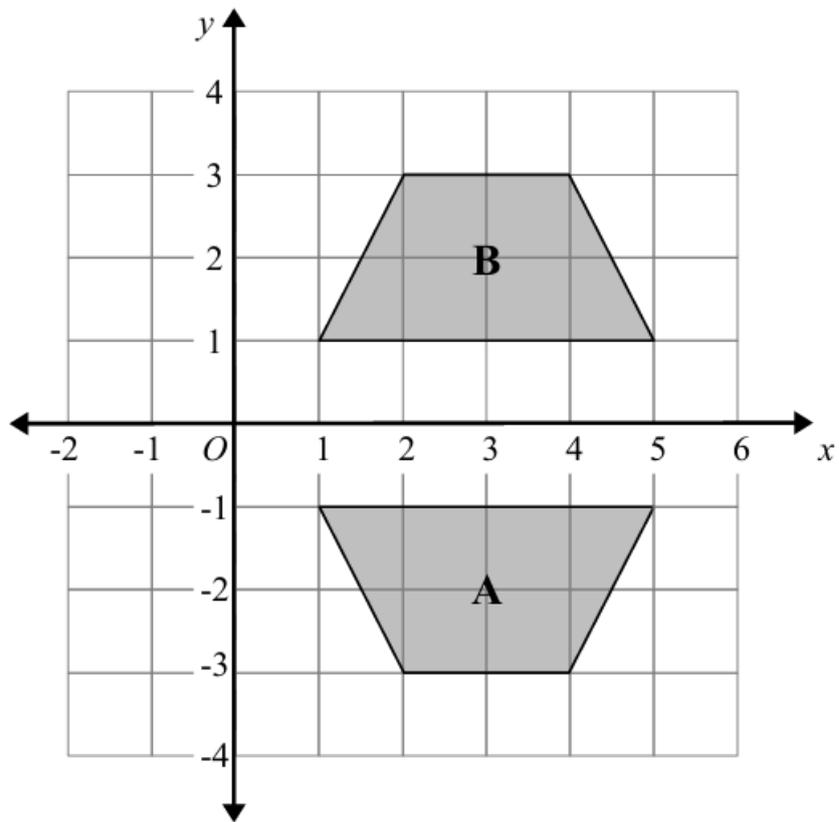


Describe fully the single transformation that maps shape A onto shape B.

(Total for question 6 is 2 marks)

---

Q7.

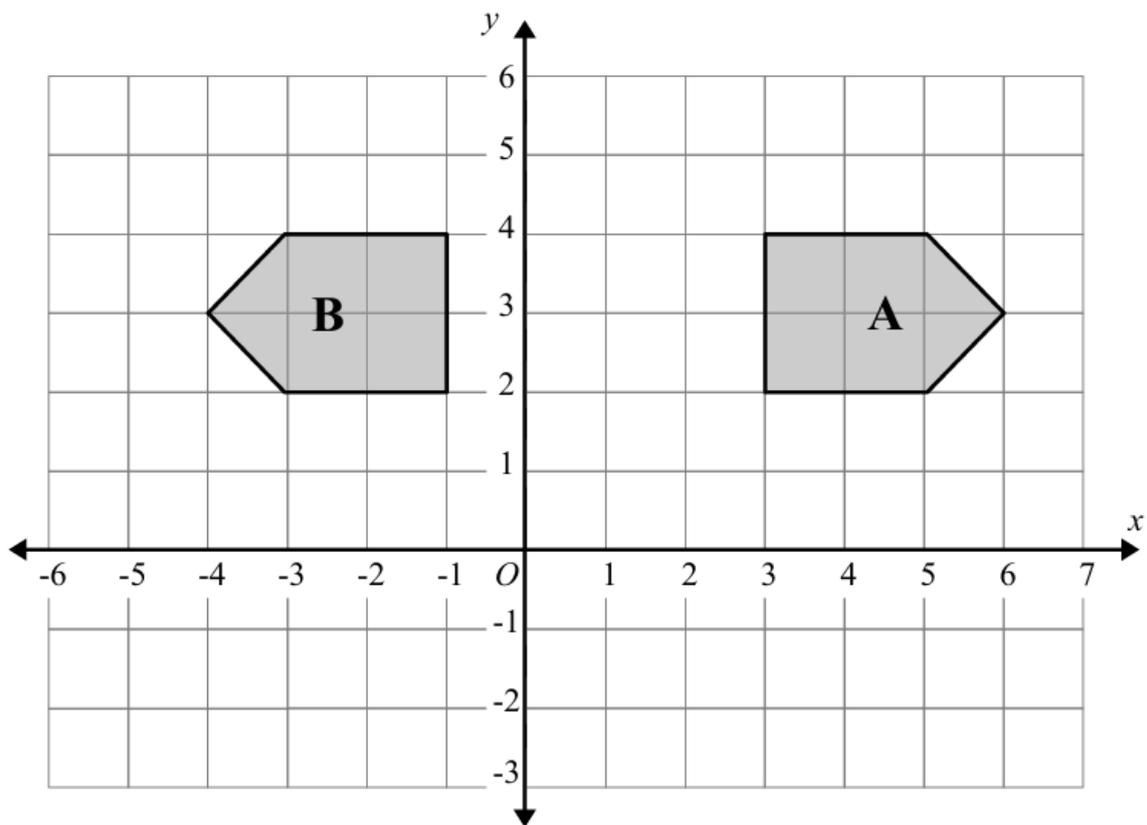


Describe fully the single transformation that maps shape A onto shape B.

(Total for question 7 is 2 marks)

---

Q8.

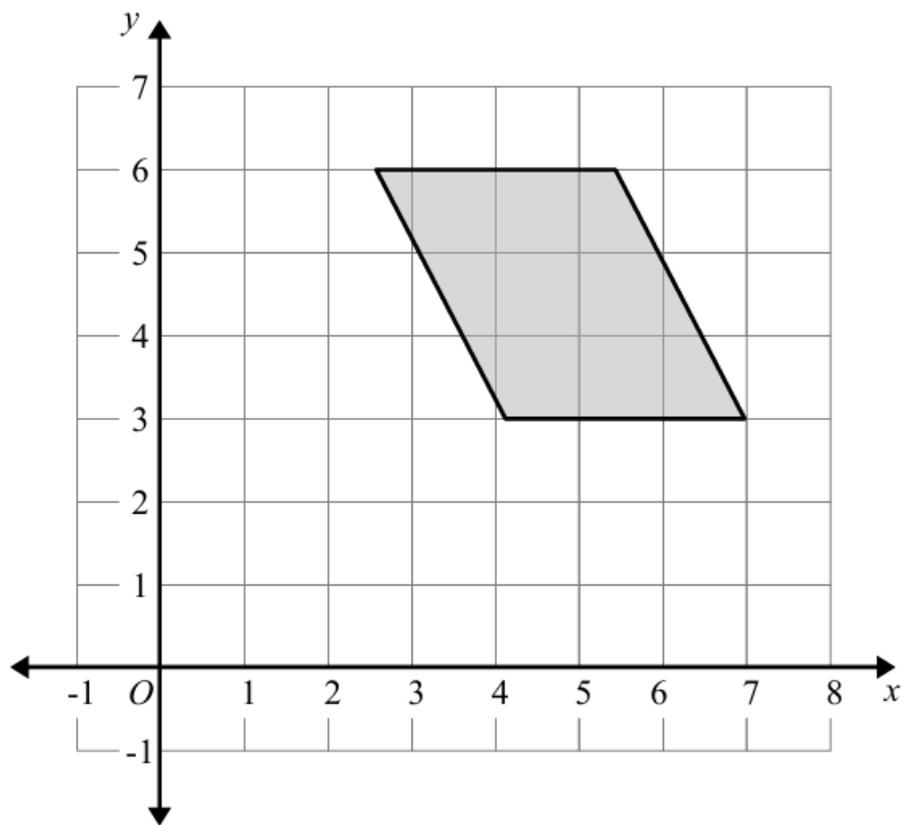


Describe fully the single transformation that maps shape A onto shape B.

**(Total for question 8 is 2 marks)**

---

Q9.

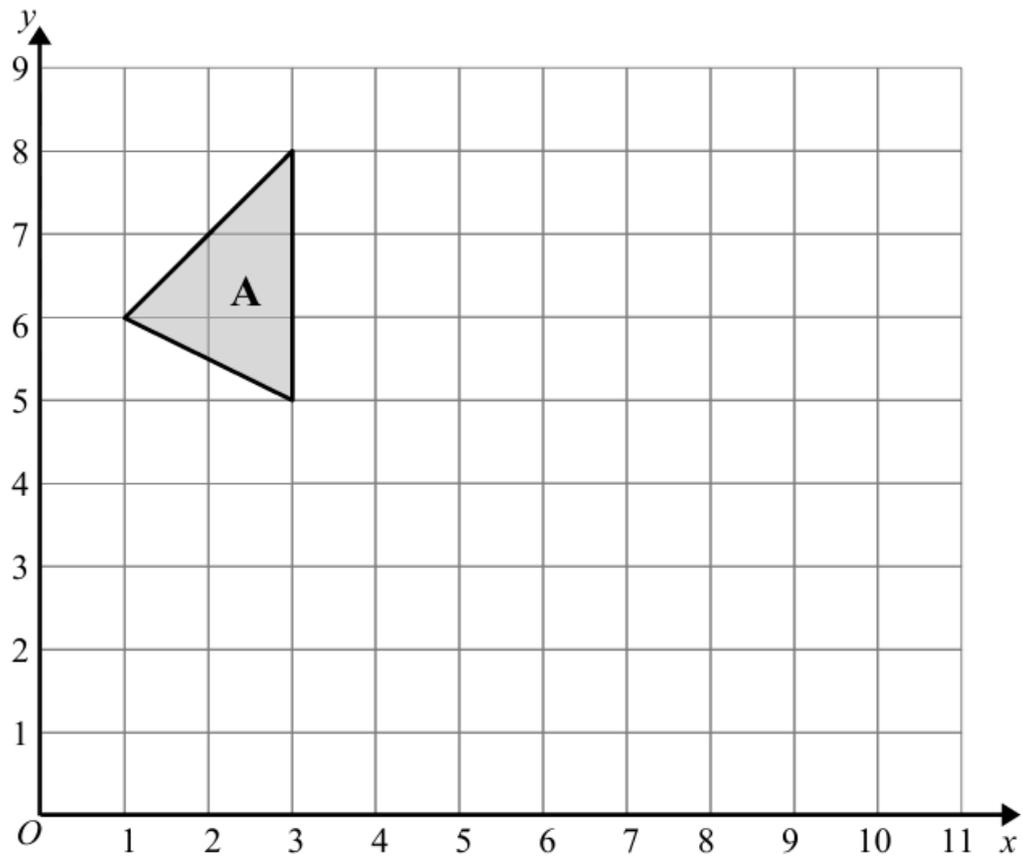


Reflect the shaded shape in the line  $y = 4$

---

(Total for question 9 is 2 marks)

Q10.



Reflect triangle A in the line  $y = x$

(Total for question 10 is 2 marks)

---