

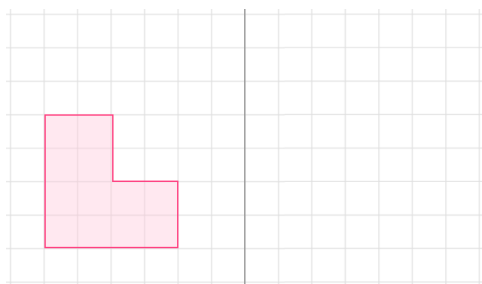
Reflection - Worksheet

Skill

Group A - vertical mirror lines

Reflect the shaded shape in the mirror line:

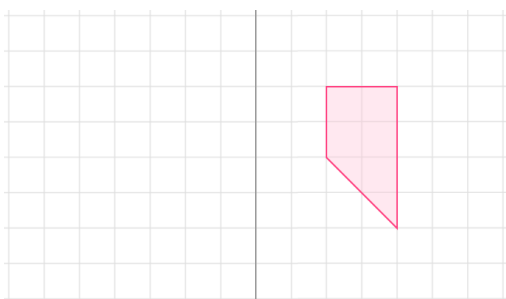
1)



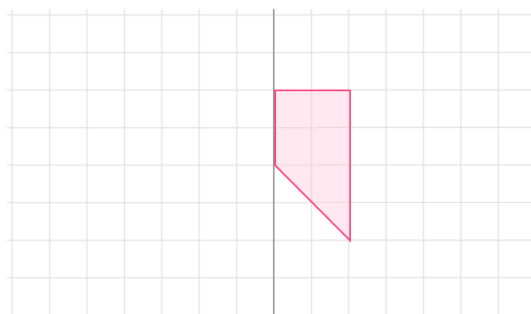
2)



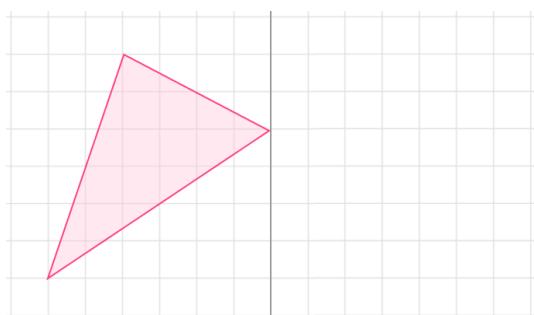
3)



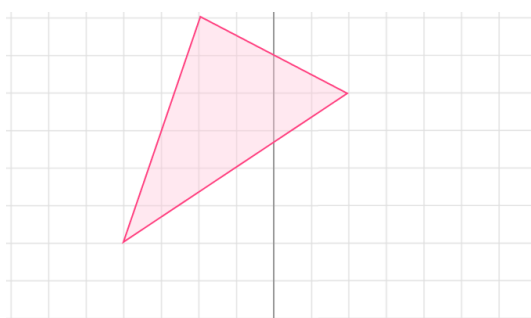
4)



5)



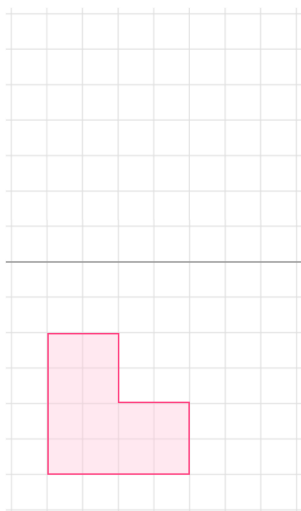
6)



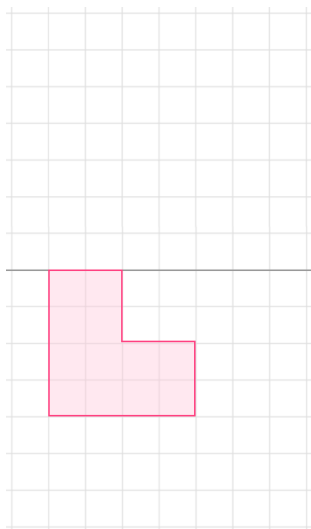
Group B - horizontal mirror lines

Reflect the shaded shape in the mirror line:

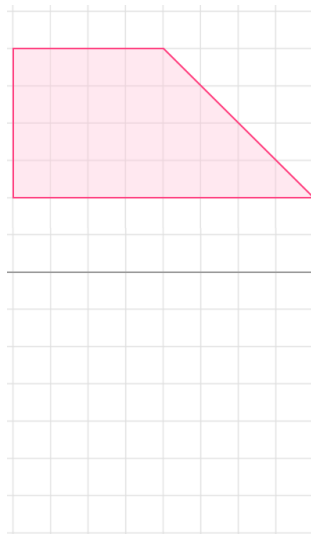
1)



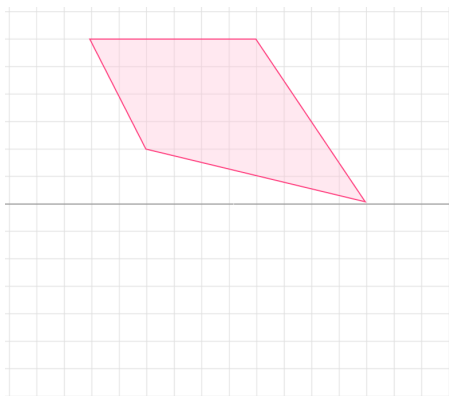
2)



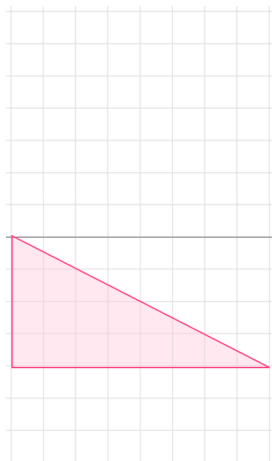
3)



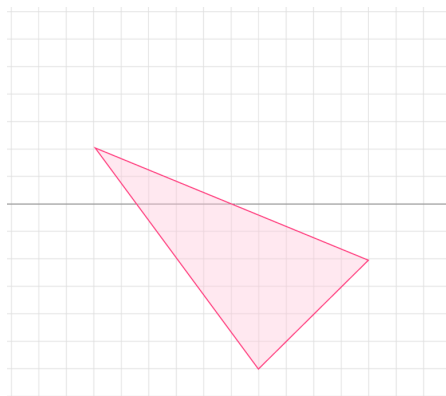
4)



5)



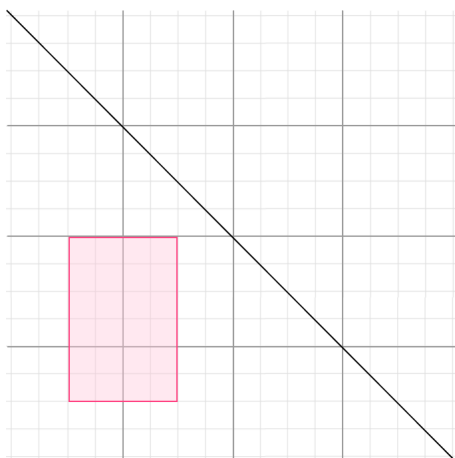
6)



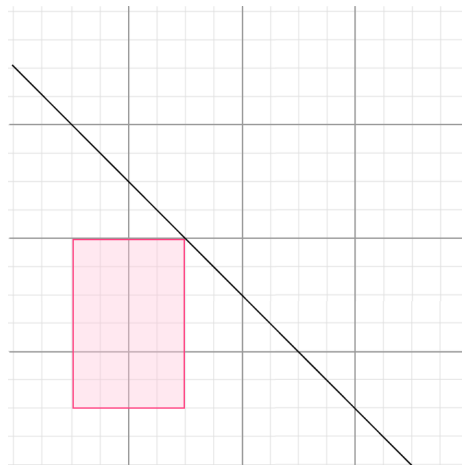
Group C - diagonal mirror lines

Reflect the shaded shape in the mirror line:

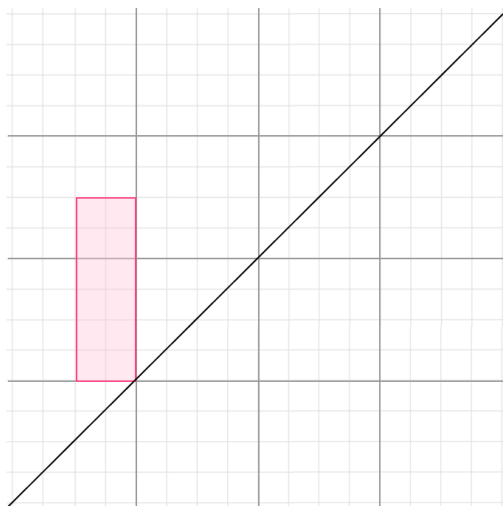
1)



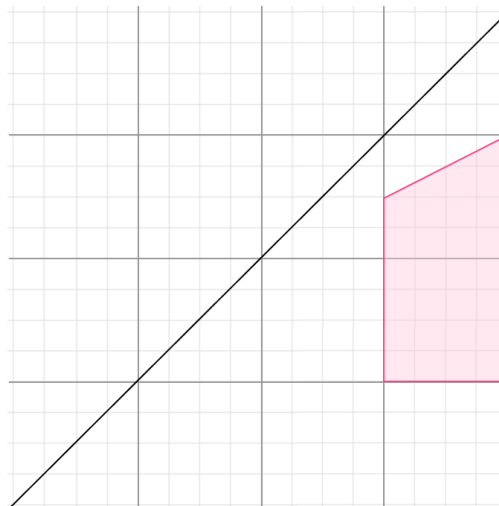
2)



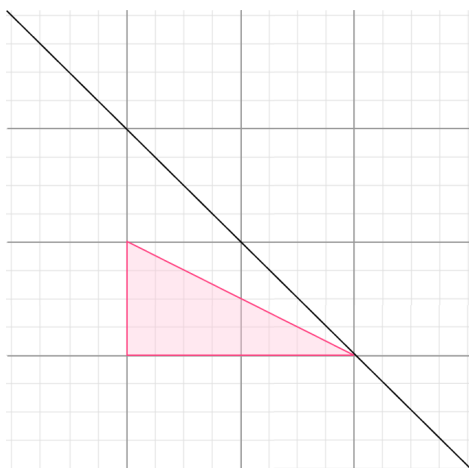
3)



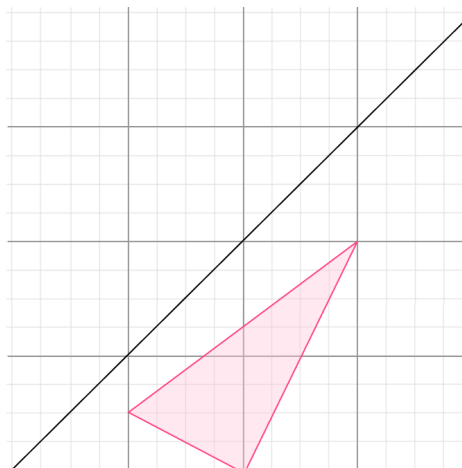
4)



5)



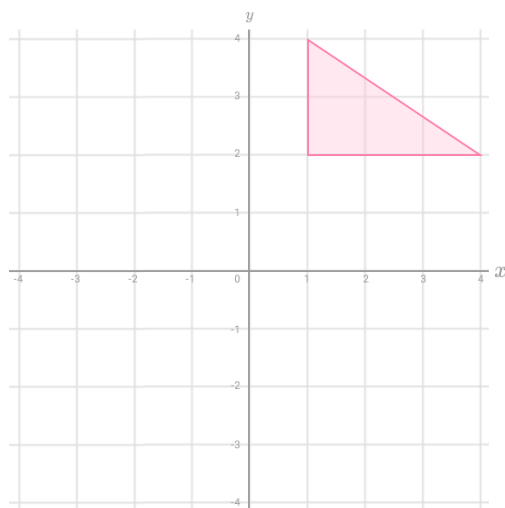
6)



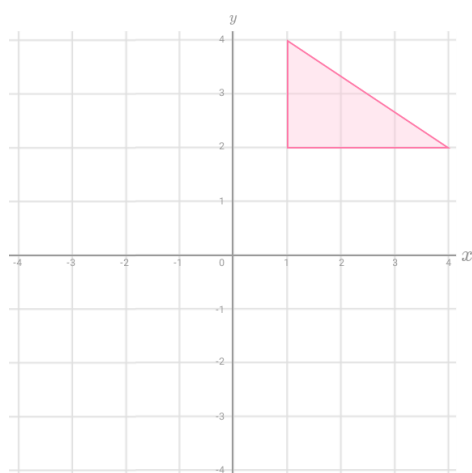
Reflections - Worksheet

Applied

- 1) a) Reflect the shaded shape in the x - axis

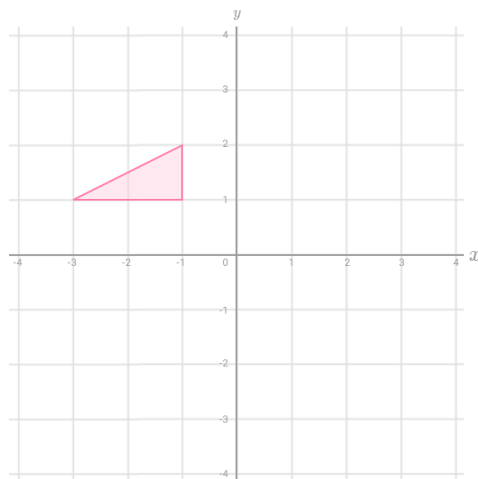


- b) Reflect the shaded shape in the y - axis



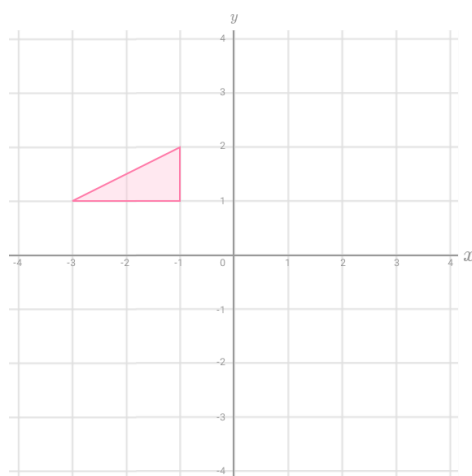
2) a)

Reflect the shaded shape in the mirror line with equation $y = 2$



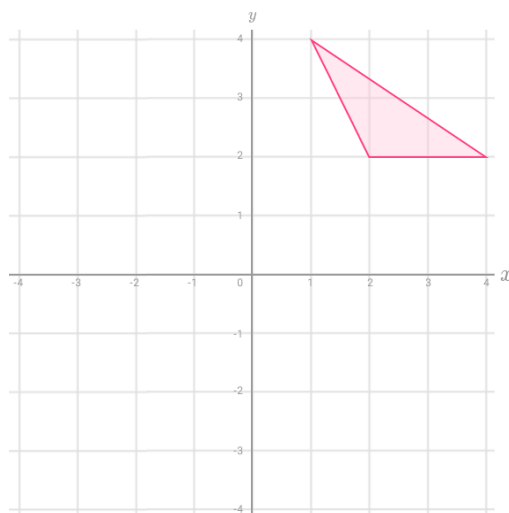
b)

Reflect the shaded shape in the mirror line with equation $y = x$

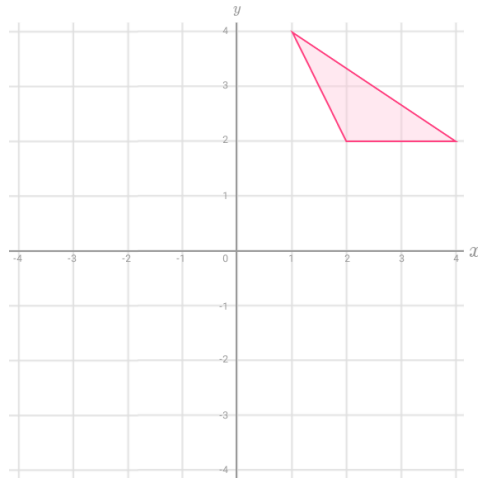


3) a)

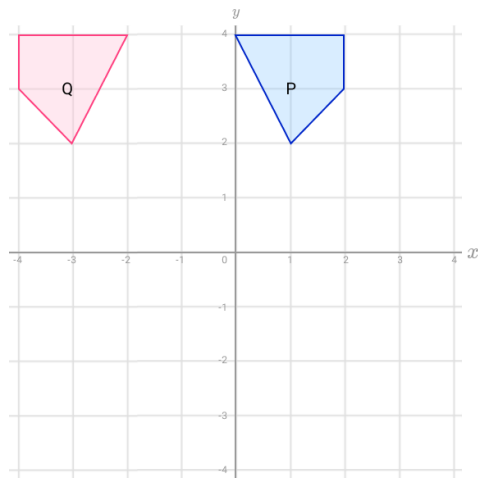
Reflect the shaded shape in the mirror line with equation $x = 1$



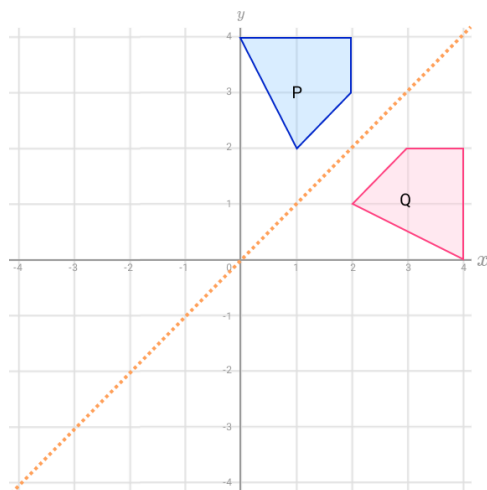
- b) Reflect the shaded shape in the mirror line with equation $y = -x$



- 4) a) Shape Q is the image of shape P.
Give the equation of the line of reflection.



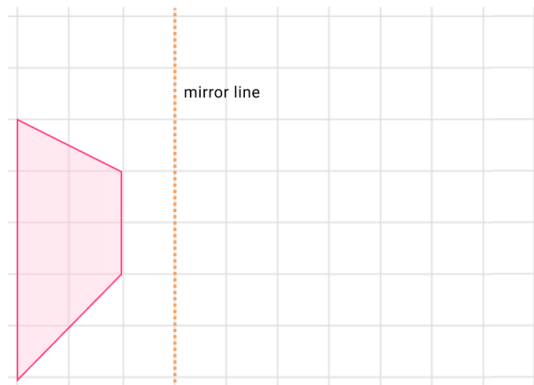
- b) Shape Q is the image of shape P.
Give the equation of the line of reflection.



Reflections - Exam Questions

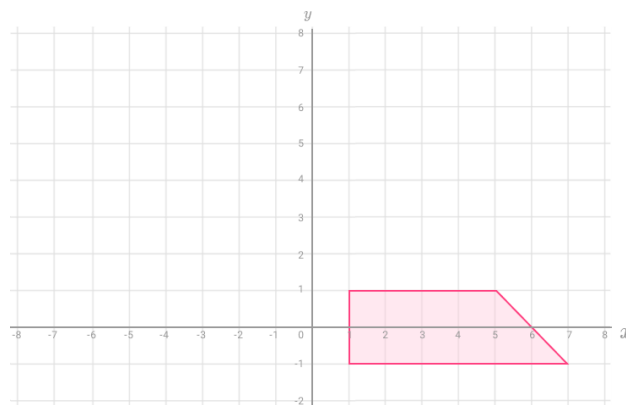
- 1) Reflect the shaded shape in the mirror line.

(2 marks)



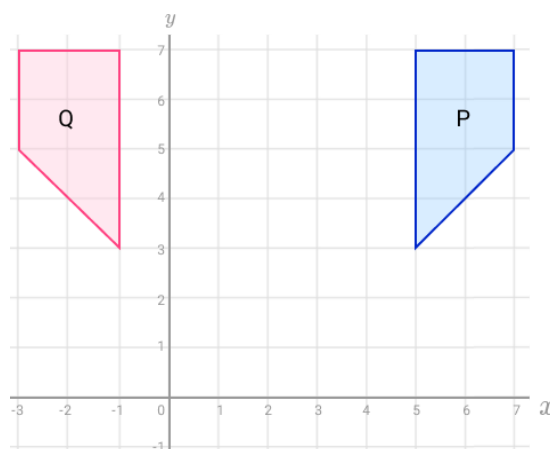
- 2) On the grid, reflect the shape in the line with the equation $y = 3$

(2 marks)

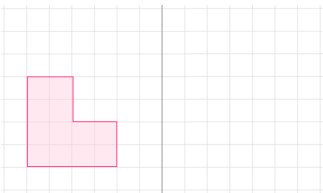
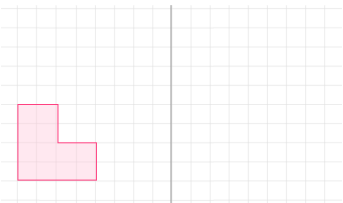
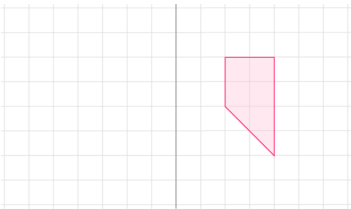
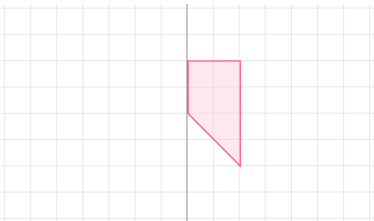
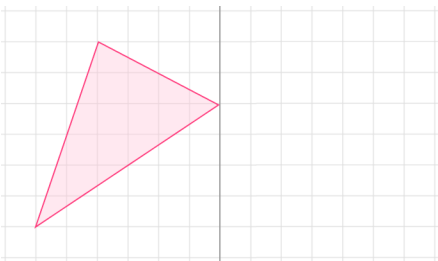
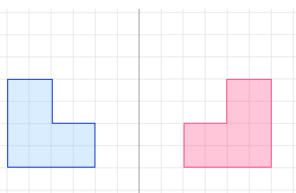
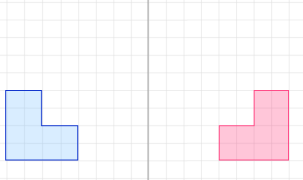
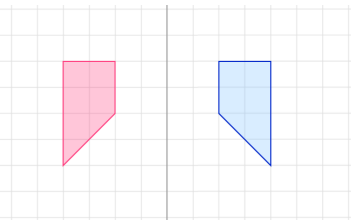
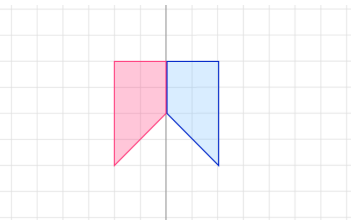
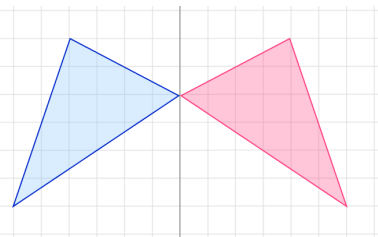


- 3) Describe fully the single transformation that maps shape P onto shape Q.

(2 marks)

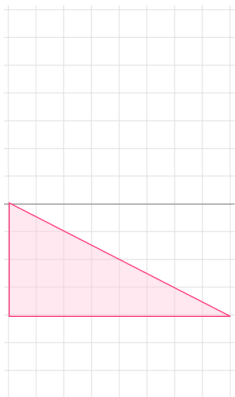


Reflections - Answers

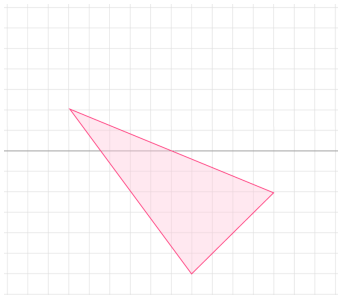
	Question	Answer
Group A	Skill Questions	
	<p>Reflect the shaded shape in the mirror line:</p> <p>1)</p>  <p>2)</p>  <p>3)</p>  <p>4)</p>  <p>5)</p> 	<p>1)</p>  <p>2)</p>  <p>3)</p>  <p>4)</p>  <p>5)</p> 

	<p>6)</p>	<p>6)</p>
Group B	<p>Reflect the shaded shape in the mirror line:</p> <p>1)</p> <p>2)</p> <p>3)</p> <p>4)</p>	<p>1)</p> <p>2)</p> <p>3)</p> <p>4)</p>

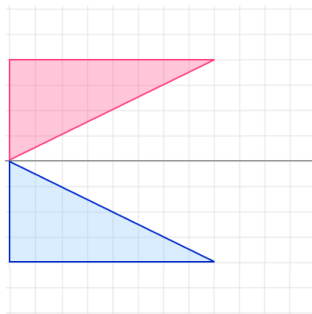
5)



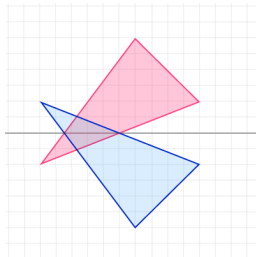
6)



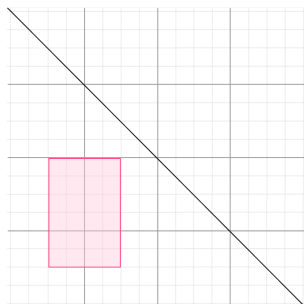
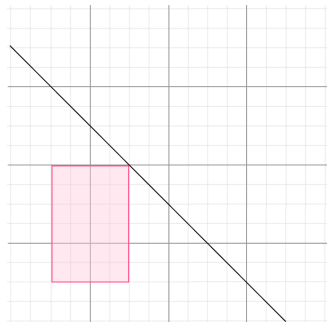
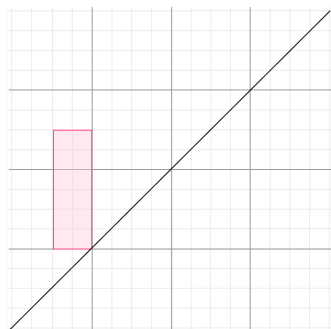
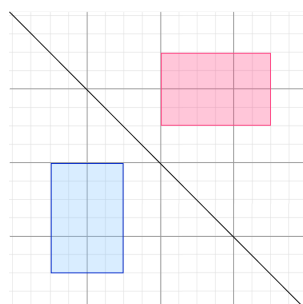
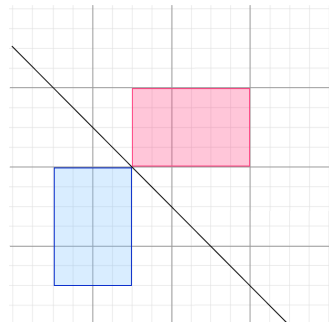
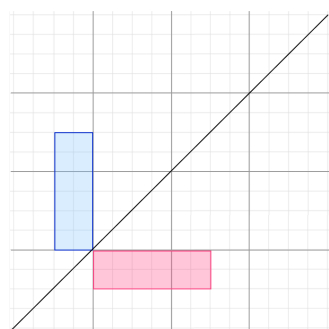
5)



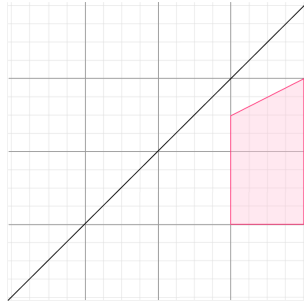
6)



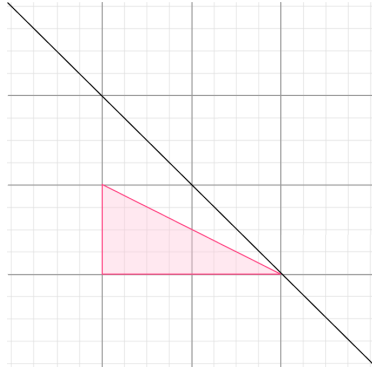
Reflections - Answers

	Question	Answer
Group C	Skill Questions	
	<p>Reflect the shaded shape in the mirror line:</p> <p>1)</p>  <p>2)</p>  <p>3)</p> 	<p>1)</p>  <p>2)</p>  <p>3)</p> 

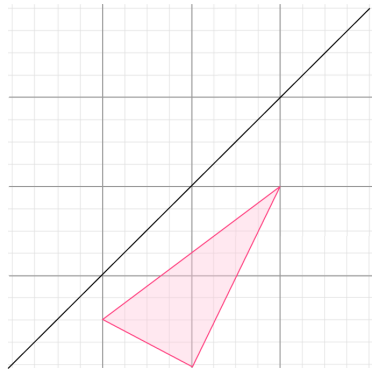
4)



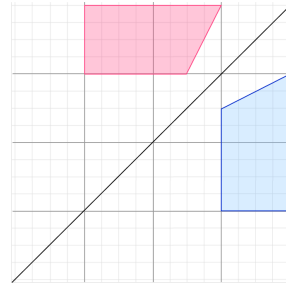
5)



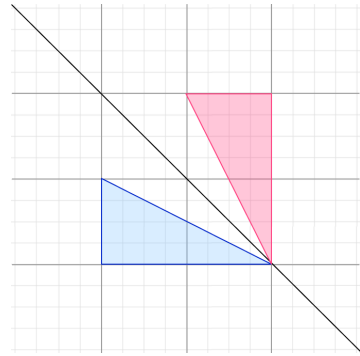
6)



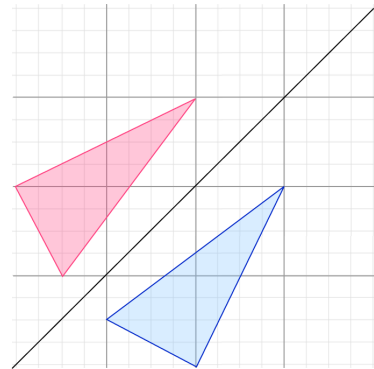
4)



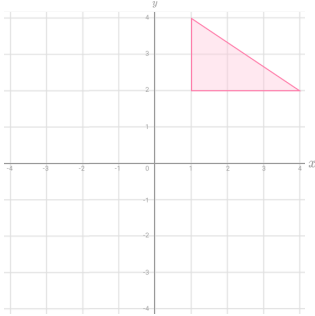
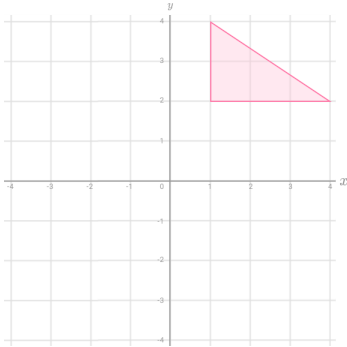
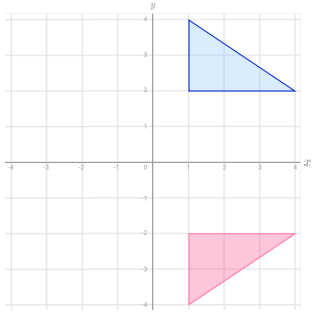
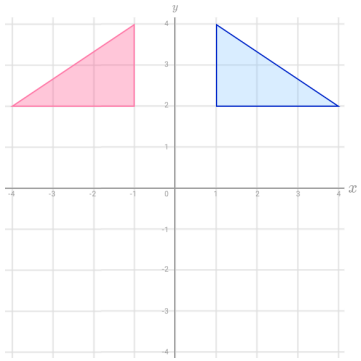
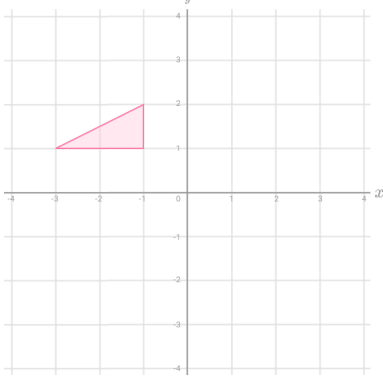
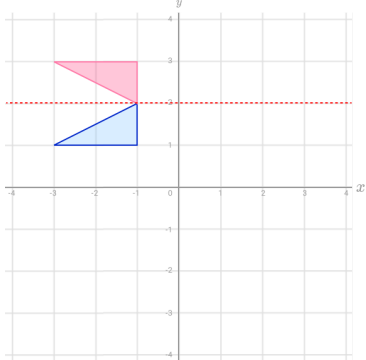
5)



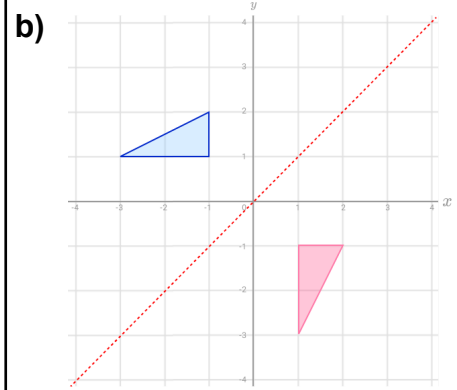
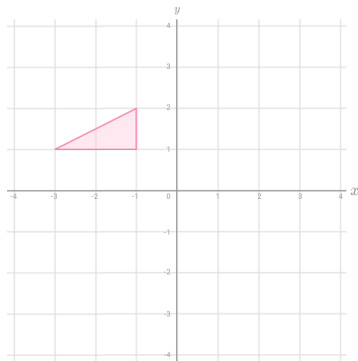
6)



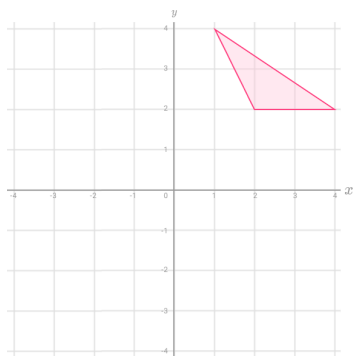
Reflections - Answers

	Question	Answer
	Applied Questions	
1)	<p>a) Reflect the shaded shape in the x – axis</p>  <p>b) Reflect the shaded shape in the y – axis</p> 	<p>a)</p>  <p>b)</p> 
2)	<p>a) Reflect the shaded shape in the mirror line with equation $y = 2$</p> 	<p>a)</p> 

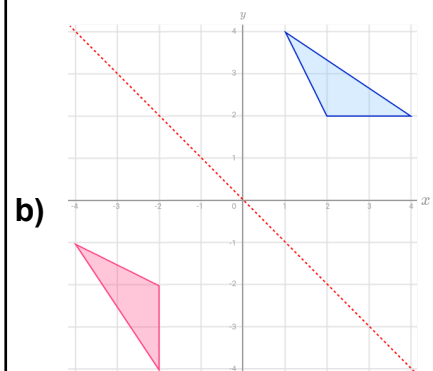
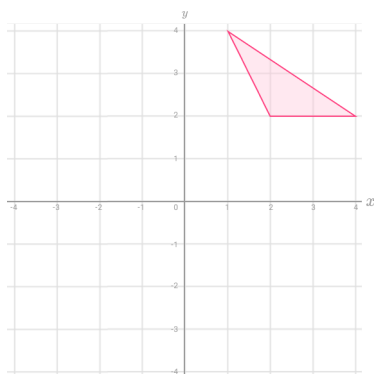
- b)** Reflect the shaded shape in the mirror line with equation $y = x$



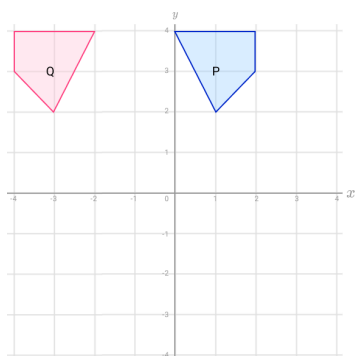
- 3)** **a)** Reflect the shaded shape in the mirror line with equation $x = 1$



- b)** Reflect the shaded shape in the mirror line with equation $y = -x$



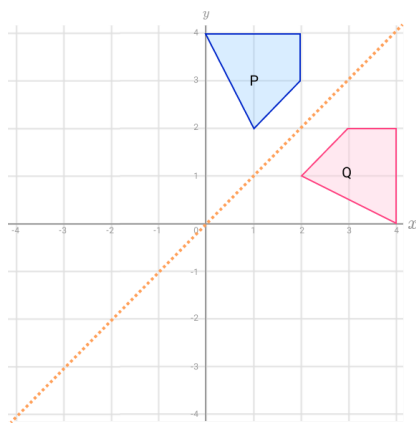
- 4)** **a)** Shape Q is the image of shape P. Give the equation of the line of reflection.



- a)** Line of reflection is $x = -1$

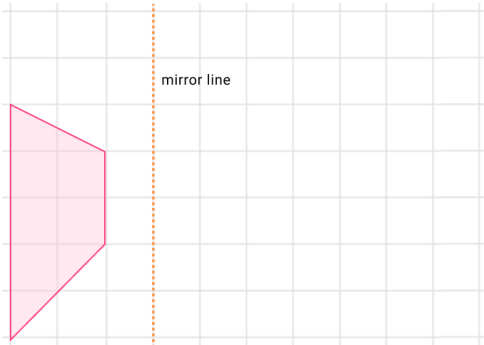
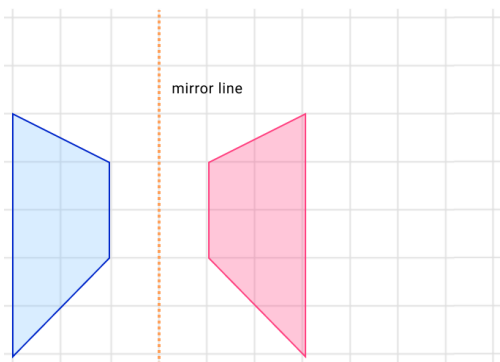
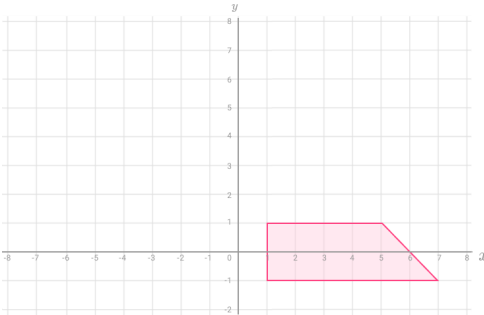
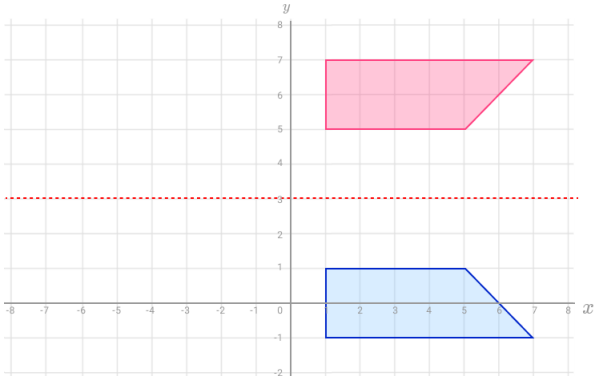
Shape Q is the image of shape P.

b) Give the equation of the line of reflection.



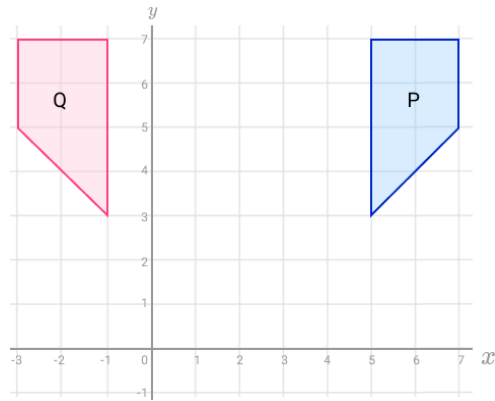
b) Line of reflection is $y = x$

Reflections - Mark Scheme

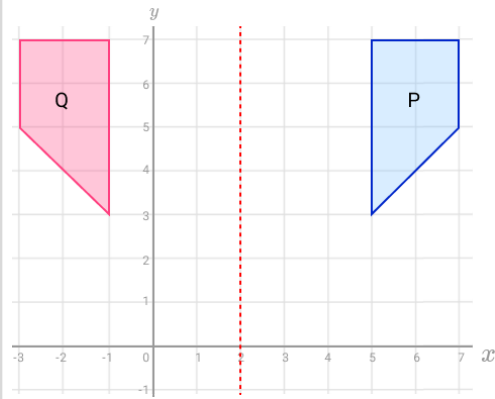
	Question	Answer	
	Exam Questions		
1)	<p>Reflect the shaded shape in the mirror line.</p> 	 <p>for at least 2 correct vertices (1) for correct reflection in the correct position (1)</p>	(2)
2)	<p>On the grid, reflect the shape in the line with the equation $y = 3$</p> 	 <p>for drawing the correct mirror line (1) for correct reflection in the correct position (1)</p>	(2)

3)

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



(2)



Reflection (1)

In the line $x = 2$ (1)

Do you have KS4 students who need additional support in maths?

Our specialist tutors will help them develop the skills they need to succeed at GCSE in weekly one to one online revision lessons. Trusted by secondary schools across the UK.

Visit thirdspacelearning.com to find out more.