

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

Exam Style Questions

## Reflections



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

### Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

## Secondary

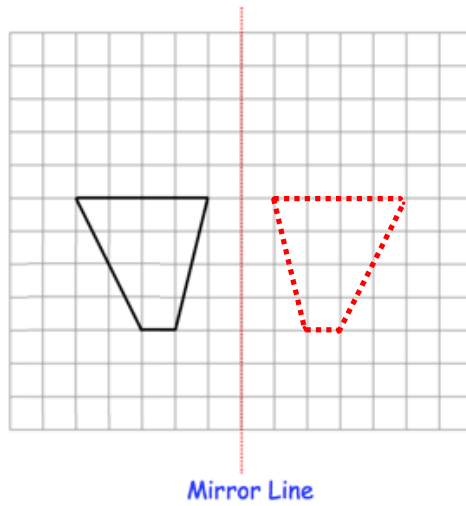
Video 272

Video 273

Video 274

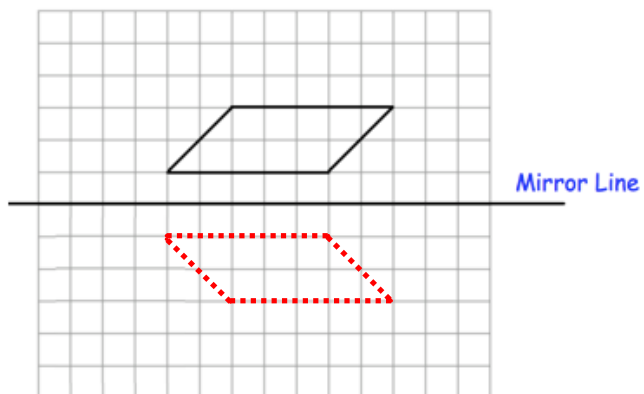


1. Reflect the shape using the dotted line as a mirror line.



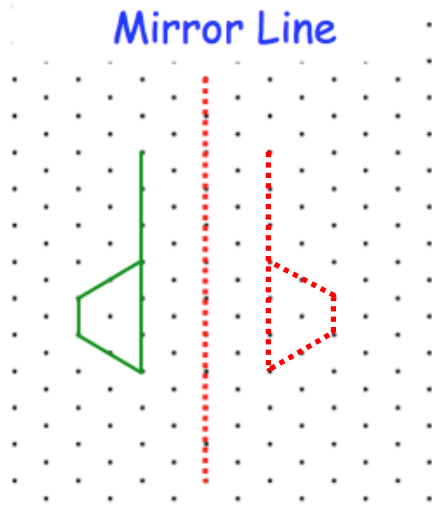
(2)

- 
2. Reflect the shape in the mirror line.



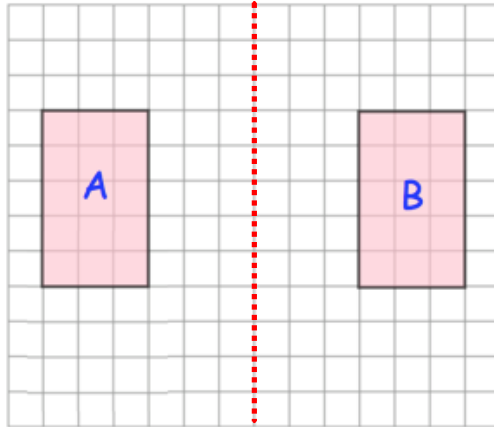
(2)

3. Reflect the shape in the mirror line drawn below.



(2)

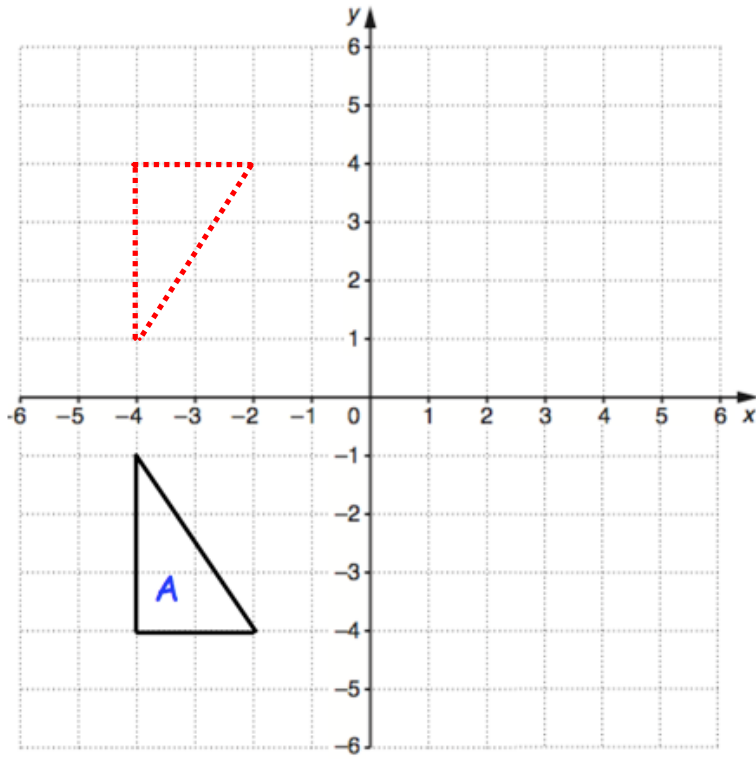
- 4.



A rectangle A has been reflected and the image labelled B.  
Draw the mirror line on the grid.

(1)

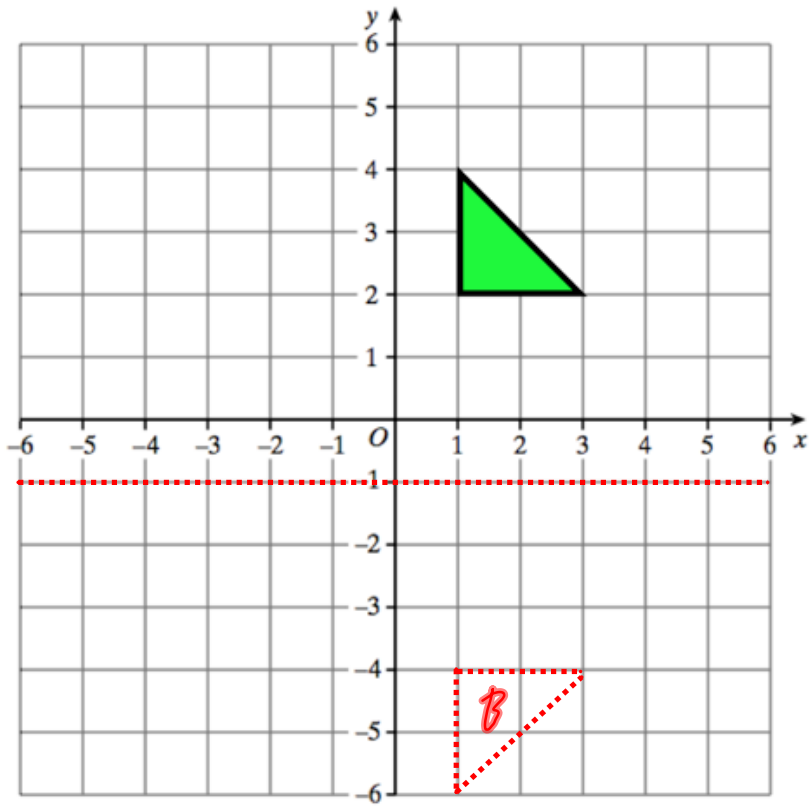
5.



Reflect triangle A in the x-axis.

(2)

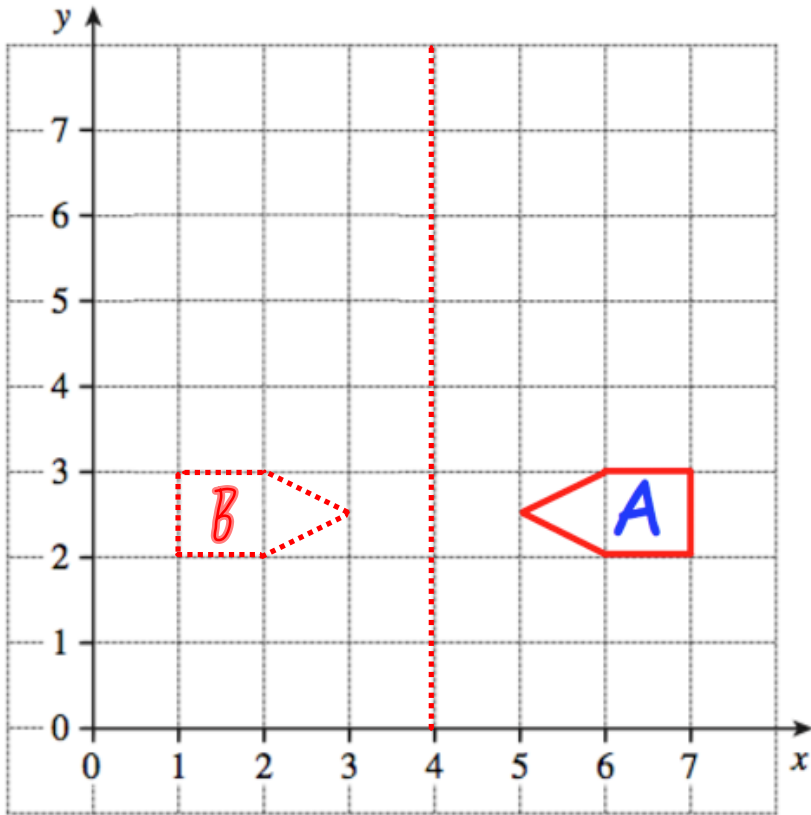
6.



Reflect the triangle in the line  $y = -1$   
Label the new triangle B.

(2)

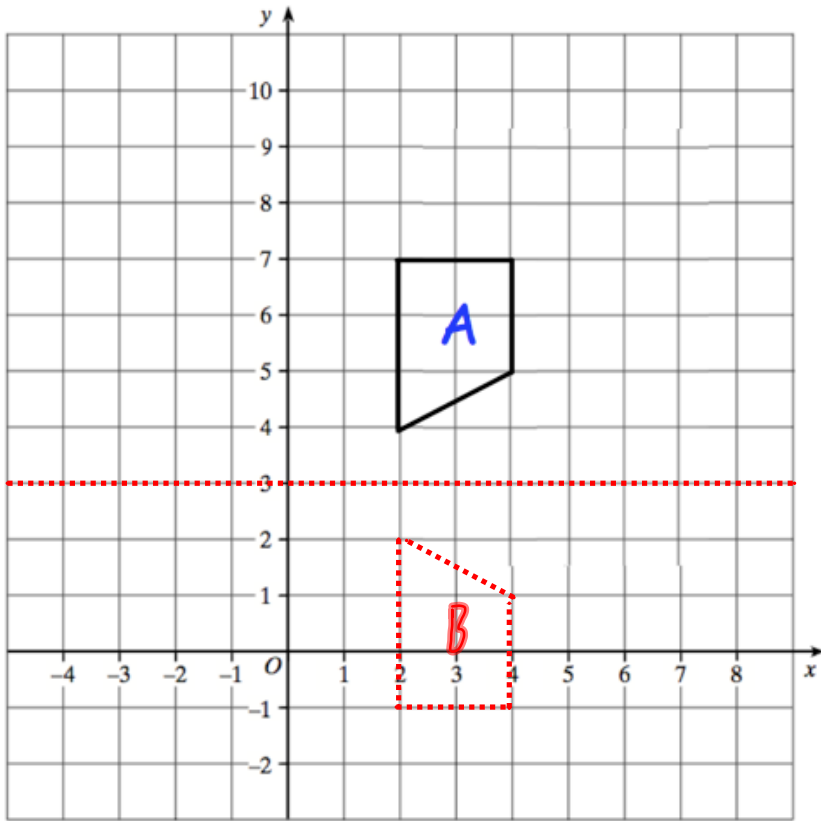
7.



Reflect shape A in the line  $x = 4$   
Label the new triangle B.

(2)

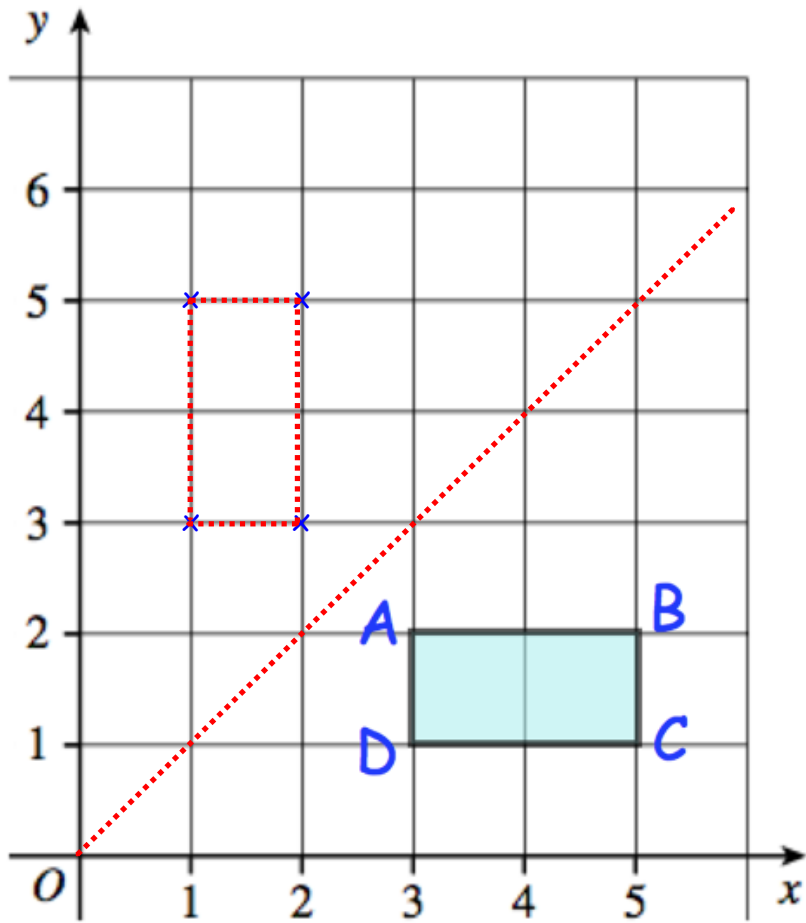
8.



Reflect shape A in the line  $y = 3$   
Label the new shape B.

(2)

9.

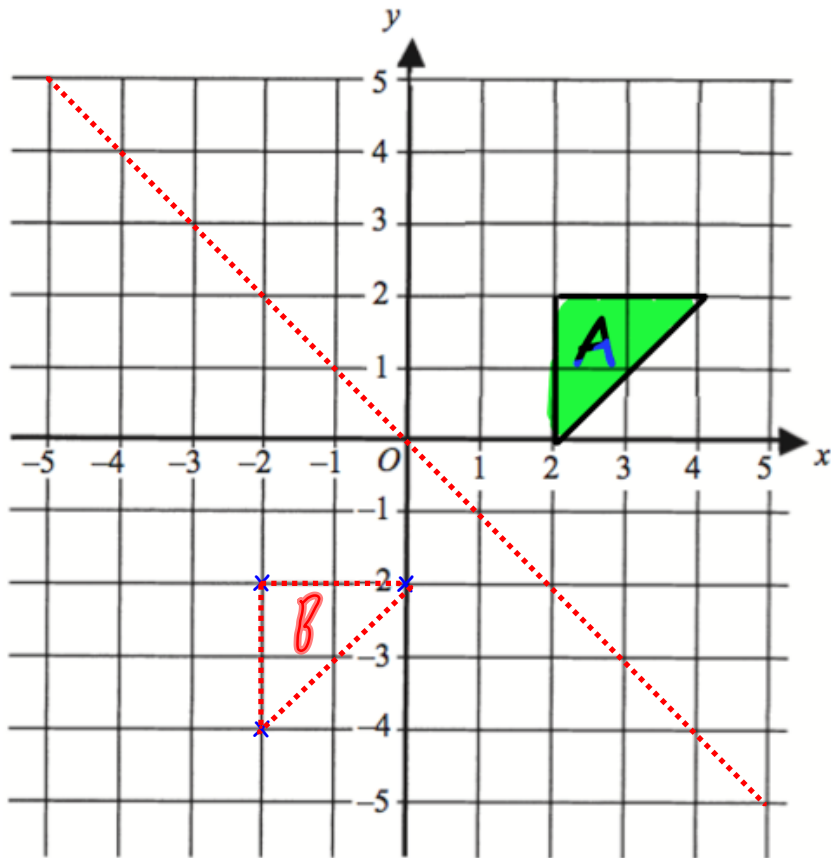


Reflect the rectangle in the line  $y = x$

(2)



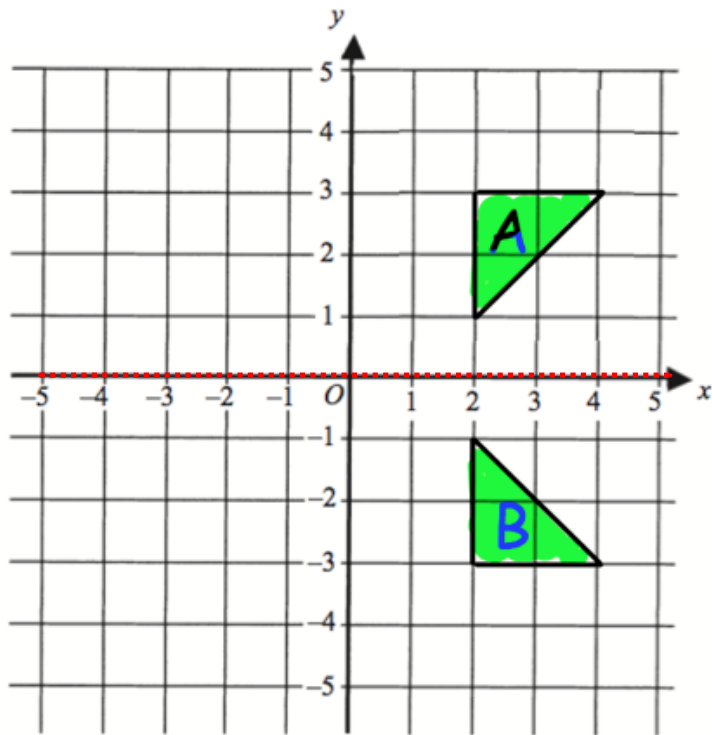
10.



Reflect the triangle in the line  $y = -x$   
Label the new triangle B.

(2)

11.

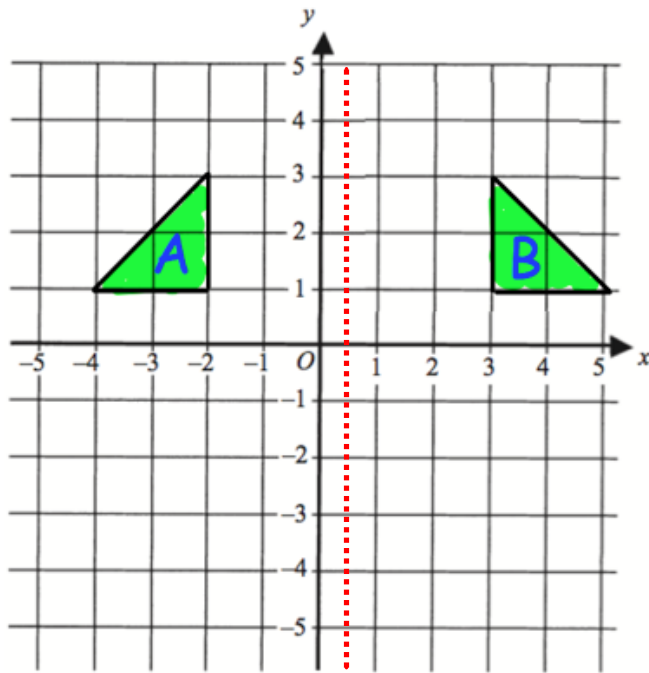


Describe fully the single transformation that maps triangle A onto triangle B.

A reflection with a mirror line of  
the x-axis (or  $y=0$ )

(2)

12.

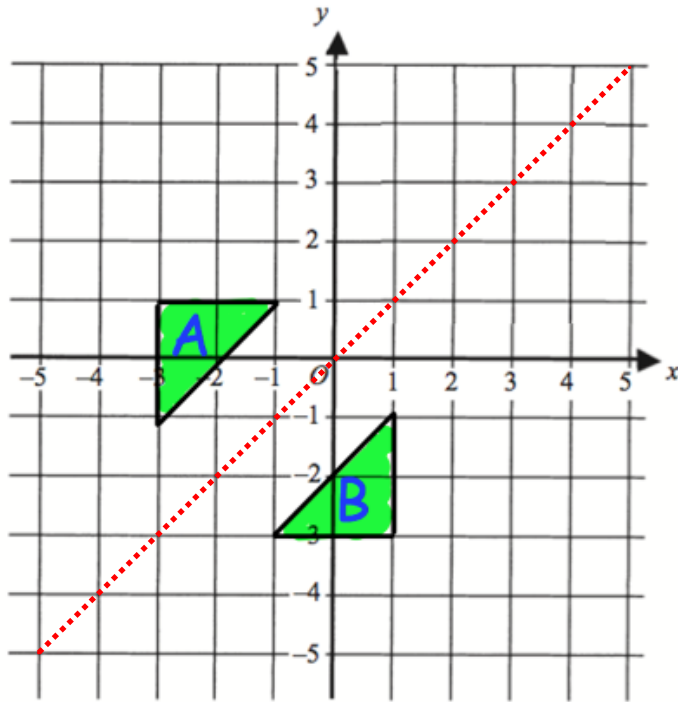


Describe fully the single transformation that maps triangle A onto triangle B.

A reflection with a mirror line of  
 $x = 0.5$

(2)

13.



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

A reflection with a mirror line of

$y = x$

(2)