

# Reflection

PS Problem-solving questions

## Challenge 1

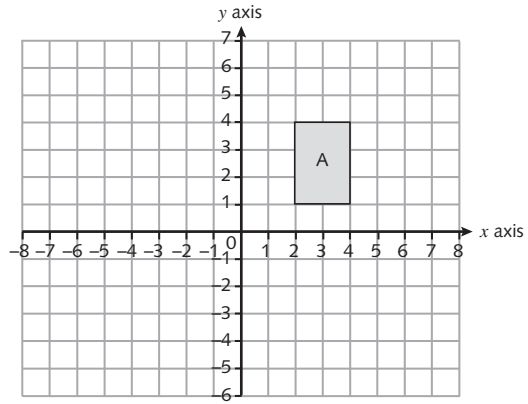
1 a) Give the coordinates of shape A.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



b) Reflect shape A in the  $y$  axis to give shape A'. Draw shape A'.

c) Give the coordinates for shape A'.

\_\_\_\_\_



4 marks



4 marks



1 mark

Marks..... /9

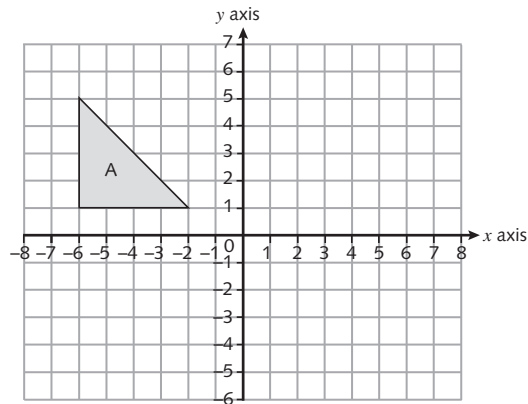
## Challenge 2

1 a) Give the coordinates of shape A.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



b) Reflect shape A in the  $x$  axis to give shape A'. Draw shape A'.

c) Give the coordinates for shape A'.

\_\_\_\_\_

d) What do you notice about the  $x$  coordinates of both shapes?

\_\_\_\_\_



3 marks



3 marks



3 marks



1 mark

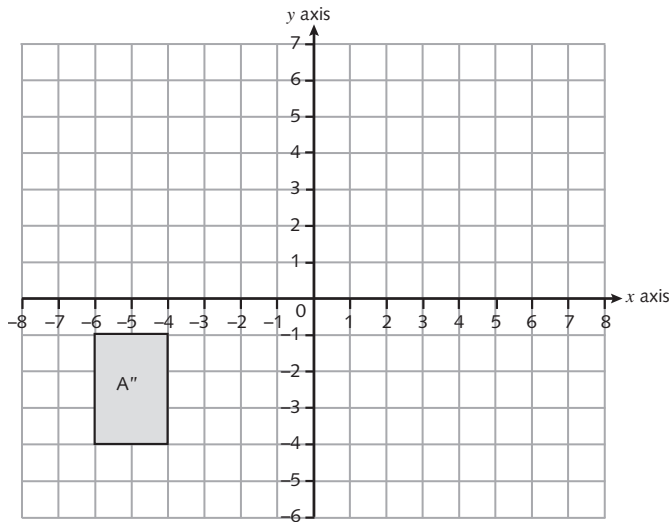
Marks..... /10

# Reflection

## Challenge 3

**PS** 1 Shape A was reflected in the  $x$  axis to give shape A'.

Shape A' was then reflected in the  $y$  axis to produce shape A''.



- a) Plot and draw shapes A and A'.
- b) Give the coordinates for shapes A and A'.

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2 marks



8 marks



Marks..... /10

Total marks ..... /29

How am I doing?

