



# Similar Shapes



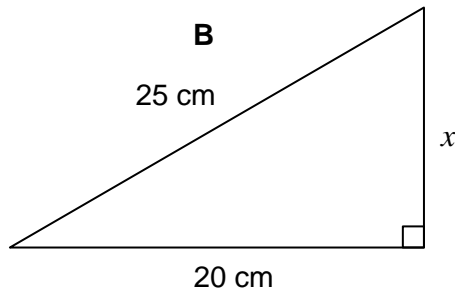
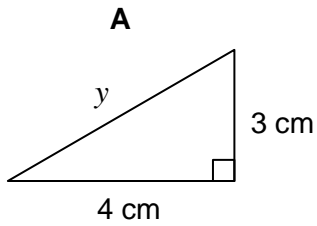
SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Triangle A and Triangle B are similar.



Not drawn accurately

1 (a) Write down the scale factor of enlargement from triangle A to triangle B. [1 mark]

Answer \_\_\_\_\_

1 (b) Work out the value of  $x$  [2 marks]

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Answer \_\_\_\_\_ cm

1 (c) Work out the value of  $y$  [2 marks]

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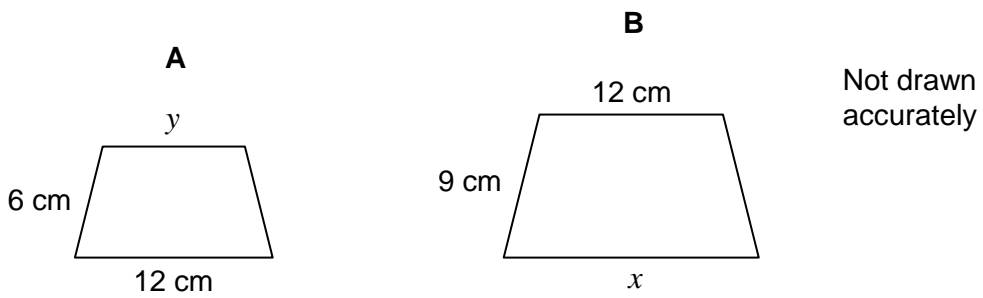


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Answer \_\_\_\_\_ cm



2 Shape **A** and Shape **B** are similar.



2 (a) Write down the scale factor of enlargement from shape A to shape B. [1 mark]

Answer \_\_\_\_\_

2 (b) Work out the value of  $x$  [2 marks]

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Answer \_\_\_\_\_ cm

2 (c) Work out the value of  $y$  [2 marks]

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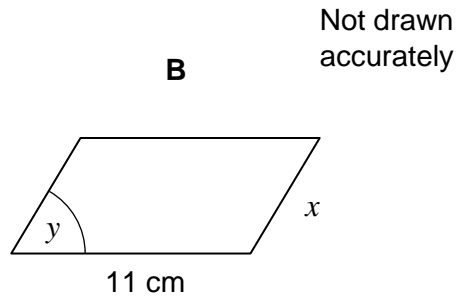
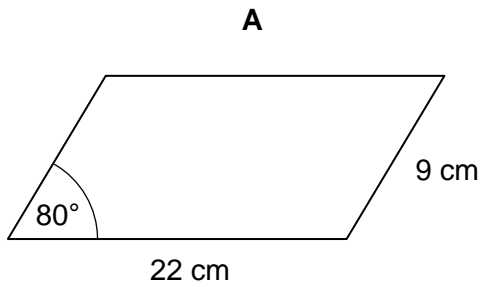
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Answer \_\_\_\_\_ cm



3 Shape **A** and Shape **B** are similar.



3 (a) Write down the scale factor of enlargement from shape A to shape B. [1 mark]

Answer \_\_\_\_\_

3 (b) Work out the value of  $x$  [2 marks]

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Answer \_\_\_\_\_ cm

3 (c) Write down the value of  $y$  [1 mark]

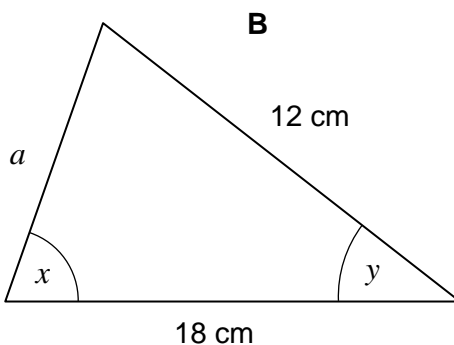
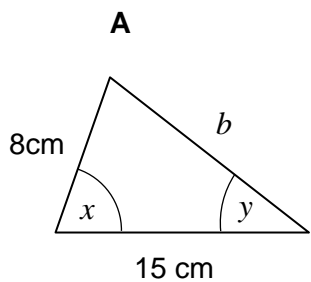
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Answer \_\_\_\_\_ °



4 Triangle **A** and Triangle **B** are similar.



Not drawn accurately

4 (a) Write down the scale factor of enlargement from triangle A to triangle B. [1 mark]

Answer \_\_\_\_\_

4 (b) Work out the value of  $a$  [2 marks]

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Answer \_\_\_\_\_ cm

4 (c) Work out the value of  $b$  [2 marks]

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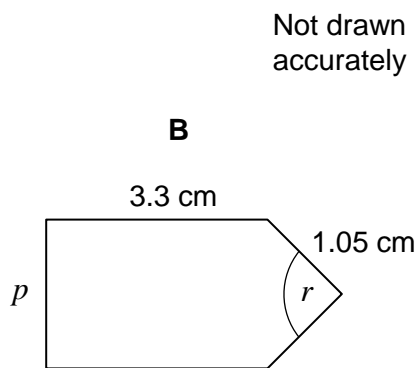
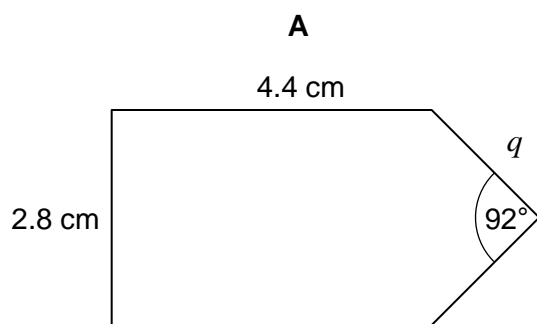
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Answer \_\_\_\_\_ cm



5 Shape **A** and Shape **B** are similar.



5 (a) Work out the value of  $p$  [2 marks]

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Answer \_\_\_\_\_ cm

5 (b) Work out the value of  $q$  [2 marks]

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Answer \_\_\_\_\_ cm

5 (c) Write down the value of  $r$  [1 mark]

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Answer \_\_\_\_\_ °

10
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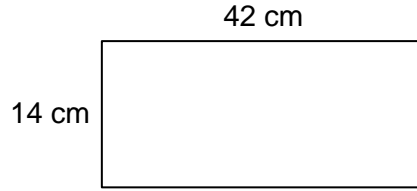
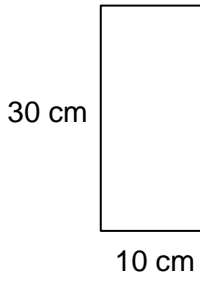
Turn over ►





6 Here are two rectangles.

Not drawn accurately



Show that the rectangles are mathematically similar.

[2 marks]

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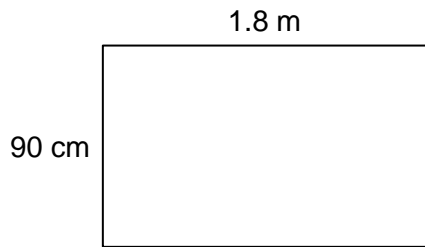
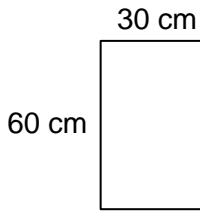
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7 Here are two rectangles.

Not drawn accurately



Show that the rectangles are mathematically similar.

[2 marks]

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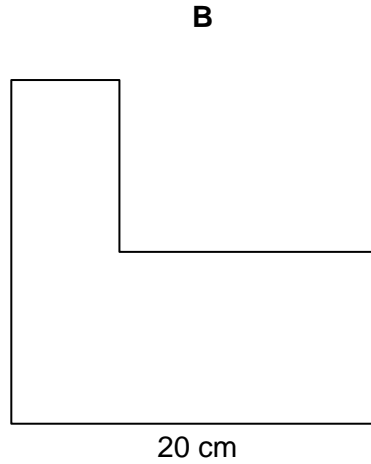
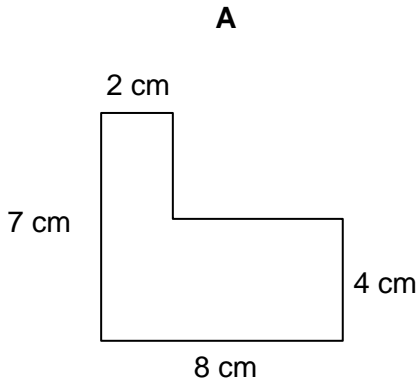
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8 Shape **A** and Shape **B** are similar.

Not drawn accurately



Work out the perimeter of shape B.

[4 marks]

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Answer \_\_\_\_\_ cm

Turn over ►

