**1**

4.8 cm

$A$ — $B$

3.6 cm

$C$

Calculate the length of $AC$.

**(Total for question 1 is 3 marks)**

**2**

$A$ — $B$

6.75 cm    17.55 cm

$C$
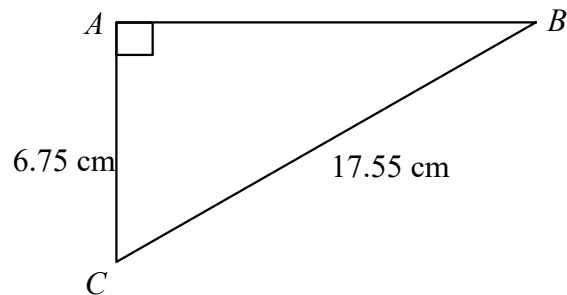
Calculate the length of $AB$.

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

**3**

$A$

14 cm

6 cm

$B$ — $C$

Calculate the length of $BC$.
Give your answer to 1 decimal place.

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

**4**

$A$

4.2 cm

$B$ — $C$

5.6 cm
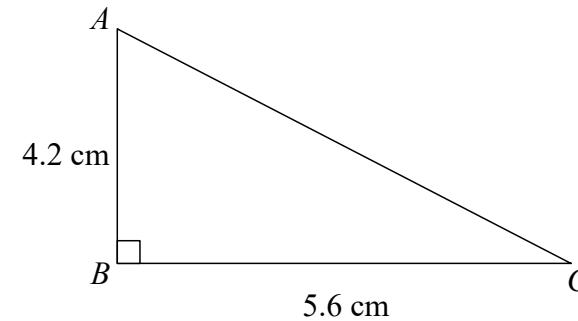
Calculate the length of $AC$.
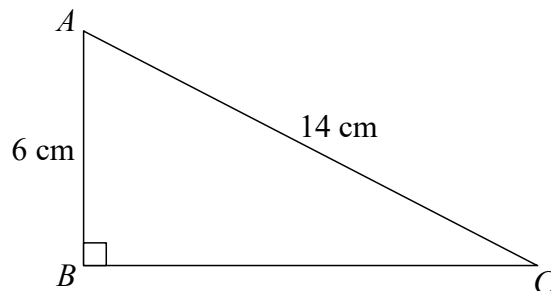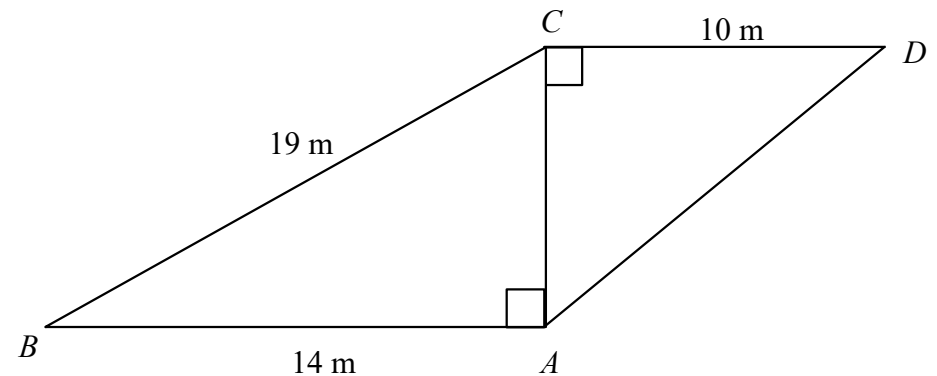
**(Total for question 4 is 3 marks)**

**5** Calculate the length of the $AD$.
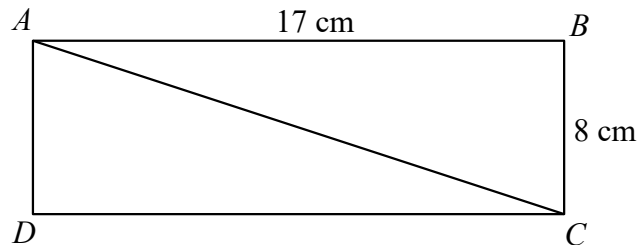Give your answer to 3 significant figures.

$C$    10 m    $D$

19 m

$B$    14 m    $A$

**(Total for question 5 is 4 marks)**

**6** Calculate the length of the *AB*.
Give your answer to 3 significant figures.

B

9.5 cm

A

C

4 cm

7 cm

D
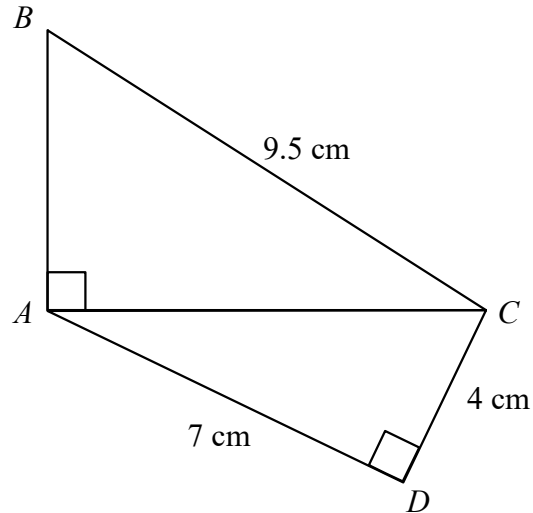
**(Total for question 5 is 4 marks)**
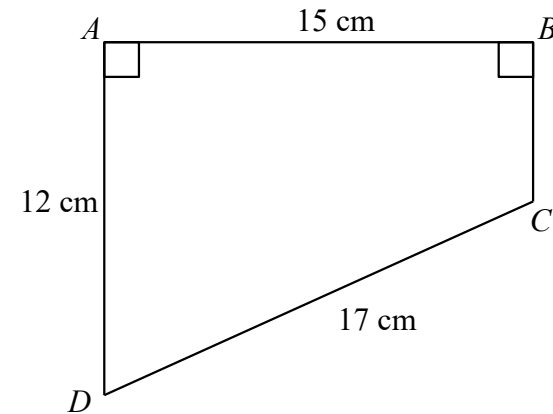
**7**

A          17 cm          B

8 cm

D          C

*ABCD* is a rectangle .
Calculate the length of the diagonal *AC*.

Give your answer correct to 1 decimal place.

**(Total for question 7 is 3 marks)**

**8** *ABCD* is a trapezium.

Calculate the length of *BC*.

A          15 cm          B

12 cm

C

17 cm

D

**(Total for question 8 is 3 marks)**

**9** *ABC* is an isosceles triangle.

Calculate the perpendicular height of *ABC*.
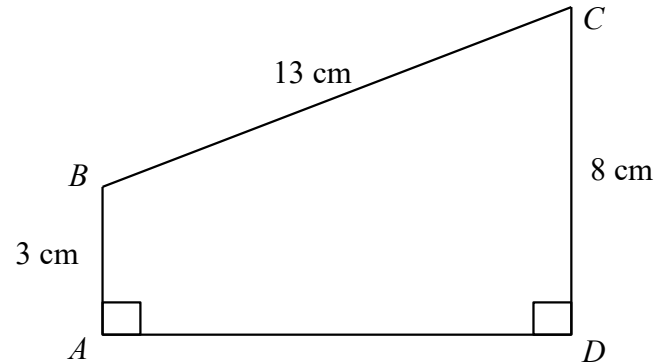Give your answer correct to 3 significant figures.

A

10 cm

C          8 cm          B
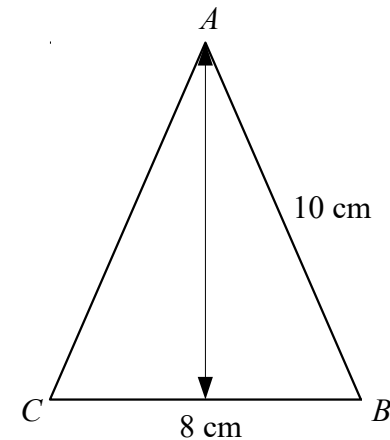
**(Total for question 9 is 3 marks)**

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**10** *ABCD* is a trapezium.

Calculate the length of *AC*.
Give your answer correct to 3 significant figures.



13 cm

8 cm

3 cm

*A*     *B*     *C*     *D*

**(Total for question 10 is 4 marks)**

**11** A ship leaves point A and sails for 3.7 km due North.
The ship then sails for 2.4 km due East to reach point B.

Calculate the the shortest distance between point A and point B.
Give your answer correct to 1 decimal place.

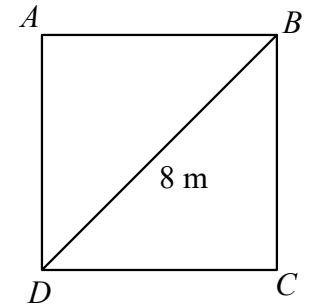**(Total for question 11 is 3 marks)**

**12** A ladder reaches 2.5 m up a vertical wall.
The base of the ladder is 70 cm from the base of the wall on a
horizontal ground.

Find the length of the ladder.

**(Total for question 12 is 4 marks)**

**13** *ABCD* is a square.
The diagonal of the square is 8 m.

Calculate the perimeter of the square.
Give your answer correct to one decimal place.



*A*   *B*

8 m

*D*   *C*

**(Total for question 13 is 3 marks)**

**14** A television has a diagonal length of 50 inches.

The ratio of the length of the television to the width of the
television is 4:3

Calculate the length and the width of the television.
Give your answers correct to 1 decimal place.

**(Total for question 14 is 3 marks)**

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