

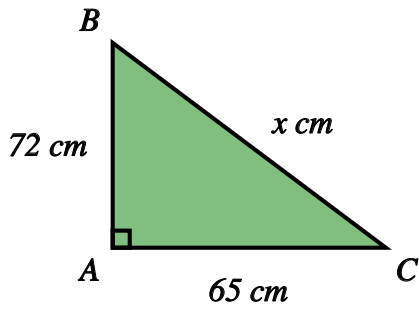
Pythagoras

Name: _____ Class: _____ Date: _____

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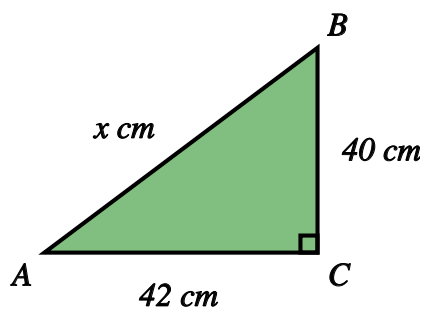
1) Find the missing length in the triangle pictured below

[1]



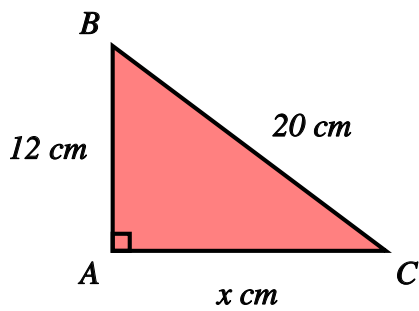
2) Find the missing length in the triangle pictured below

[1]



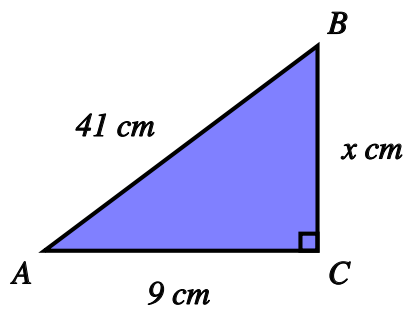
3) Find the missing length in the triangle pictured below

[1]



4) Find the missing length in the triangle pictured below

[1]



5) A right-angled triangle has two short side of length 91 cm and 60 cm . Find the length of the hypotenuse.

[1]

6) A right-angled triangle has two short side of length 56 cm and 90 cm . Find the length of the hypotenuse.

[1]

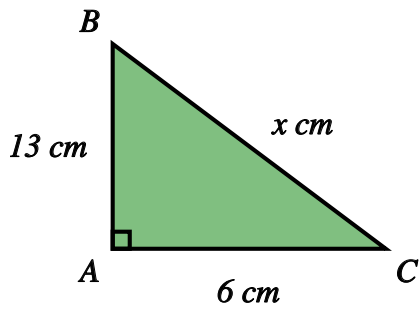
7) A right-angled triangle has a hypotenuse of length 117 cm and one short side of length 45 cm . Find the length of the other short side.

[1]

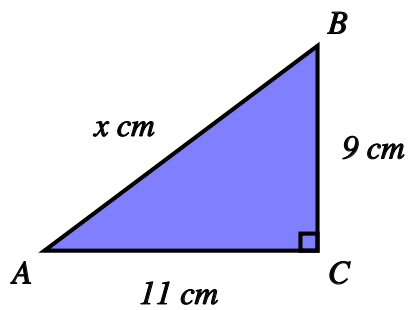
8) A right-angled triangle has a hypotenuse of length 13 cm and one short side of length 5 cm. Find the length of the other short side.

[1]

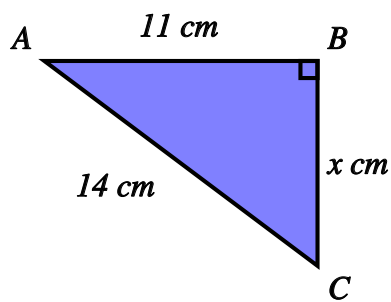
9) Find the missing length in the triangle pictured below, giving your answer to 3 significant figures [1]



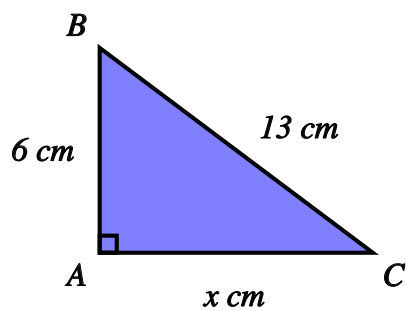
10) Find the missing length in the triangle pictured below, giving your answer to 3 significant figures [1]



11) Find the missing length in the triangle pictured below, giving your answer to 3 significant figures [1]



12) Find the missing length in the triangle pictured below, giving your answer to 3 significant figures [1]



13) A right-angled triangle has short sides of length 7 cm and 12 cm. Find the length of the hypotenuse, giving your answer to 3 significant figures.

[1]

14) A right-angled triangle has short sides of length 10 cm and 11 cm. Find the length of the hypotenuse, giving your answer to 3 significant figures.

[1]

15) A right-angled triangle has a hypotenuse of length 12 cm and a short side of length 9 cm. Find the length of the other short side, giving your answer to 3 significant figures.

[1]

16) A right-angled triangle has a hypotenuse of length 14 cm and a short side of length 11 cm. Find the length of the other short side, giving your answer to 3 significant figures.

[1]

Solutions for the assessment Pythagoras

1) $x = 97$ cm

2) $x = 58$ cm

3) $x = 16$ cm

4) $x = 40$ cm

5) $x = 109$ cm

6) $x = 106$ cm

7) $x = 108$ cm

8) $x = 12$ cm

9) $x = 14.3$ cm

10) $x = 14.2$ cm

11) $x = 8.66$ cm

12) $x = 11.5$ cm

13) $x = 13.9$ cm

14) $x = 14.9$ cm

15) $x = 7.94$ cm

16) $x = 8.66$ cm