1) Find the missing length in the triangle pictured below

2) Find the missing length in the triangle pictured below
3) Find the missing length in the triangle pictured below

![Triangle with sides 12 cm, 20 cm, and x cm]

4) Find the missing length in the triangle pictured below

![Triangle with sides 9 cm, 41 cm, and x cm]

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

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

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.
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.

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

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

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

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.

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.

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.
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.
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