5.6 – Pythagoras' theorem

Student name: _____ Score: _____

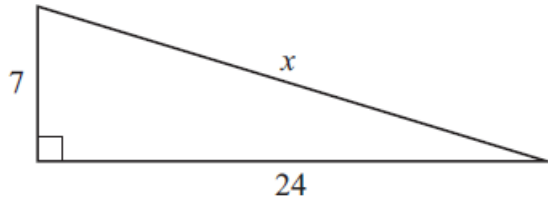**1.**

h 4

6
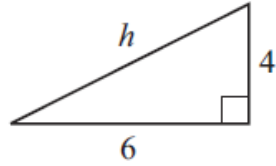
NOT TO SCALE

Find the exact value of h.
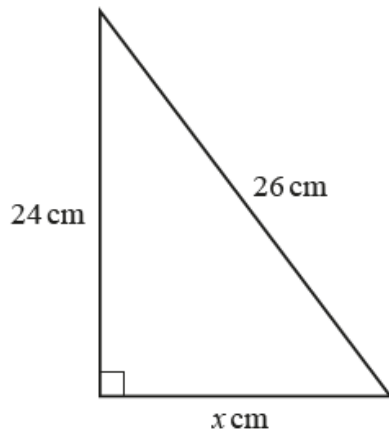
……………………………… [2]

2.

7

x

24

NOT TO SCALE

Find x.

$x = $ ……………………………… [2]

3.

24 cm

26 cm

x cm

NOT TO SCALE

Find the value of x.

$x = $ ……………………………… [3]

4.

C

15 cm

A

17 cm

B
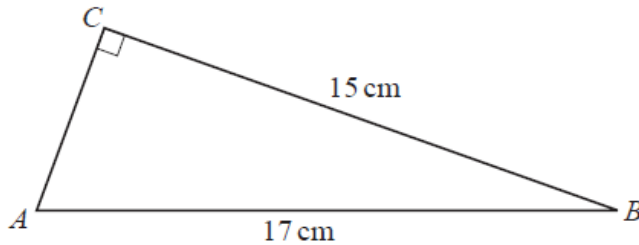
NOT TO SCALE

Work out the length of AC.

……………………………… cm [3]

5.
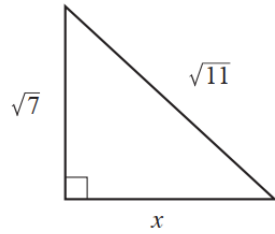
NOT TO SCALE

Find the value of x.

$x =$ .... [2]

6.
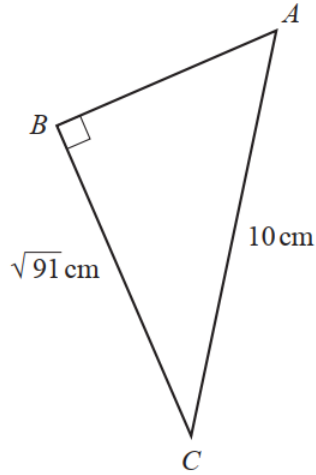
NOT TO SCALE

Work out the length of AB.

$AB =$ .... cm [3]

7. In this question all lengths are in centimetres.
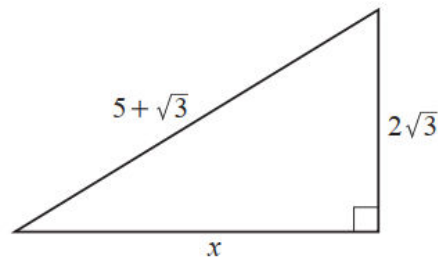
NOT TO SCALE

Find the value of x^2.
Give your answer in the form $a + b\sqrt{3}$ where a and b are integers.

$x^2 =$ .... [4]