

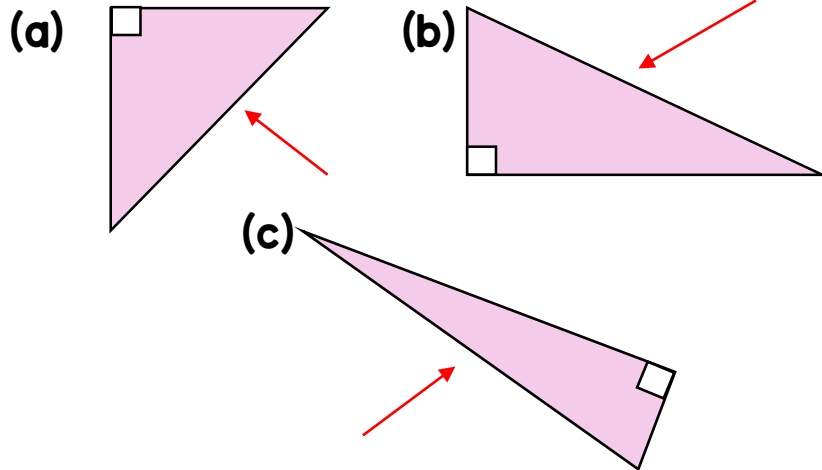
Summer Term Maths Year 10

Know and recall Pythagoras' Theorem

Day
1

Week 11

1 Identify the hypotenuse in each of these right-angled triangles:



2 Work out the square of each value:

(a) 6 **36** (b) 15 **225** (c) 0.9 **0.81**

3 Work out the positive square root of each value:

(a) 25 **5** (b) 144 **12** (c) 3.61 **1.9**

4 Fill in the blanks using the words below:

The **hypotenuse** is the longest side of a right-angled **triangle**

Pythagoras' Theorem says that the hypotenuse must be labelled with the letter **'c'**

The **shorter** sides are labelled with the letters **'a'** or **'b'**.

It does not matter which way around you label the shorter sides.

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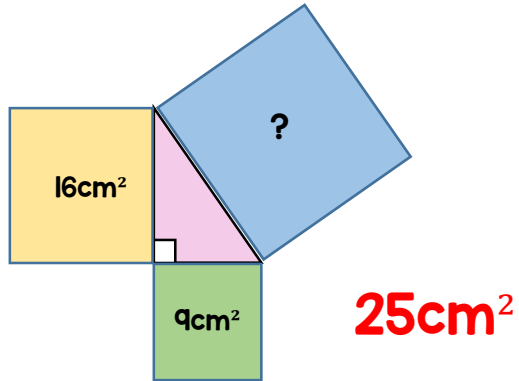
Know and recall Pythagoras' Theorem

Day 1

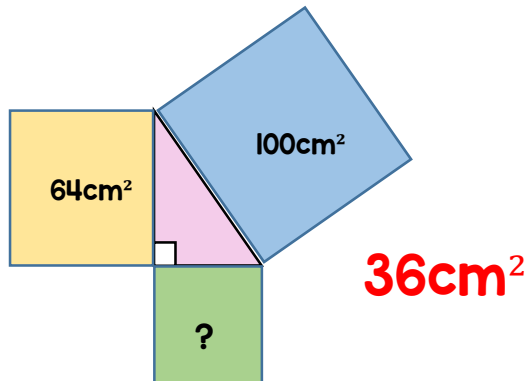
Week 11

5 Find the missing areas of the squares.

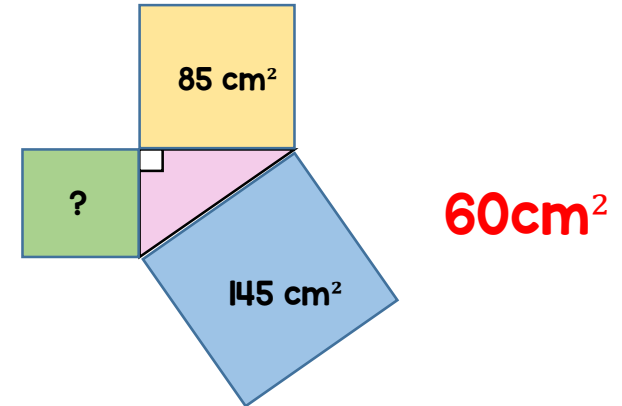
a)



b)



c)

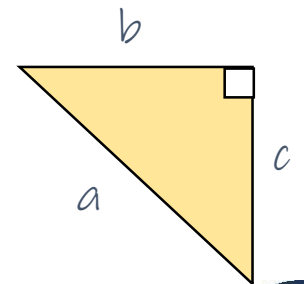


7

Liam is labelling a right-angled triangle according to Pythagoras' Theorem.

$$a^2 + b^2 = c^2$$

Mia says he is wrong.
Is she correct?



Yes Mia is correct. Liam has labelled the hypotenuse a, when it should be labelled c.