

## Pythagoras' Worksheet 2

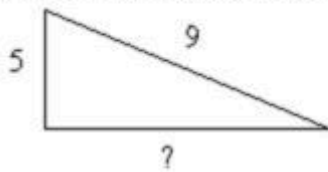
### Pythagoras' Theorem

“For any right-angled triangle, the square of the hypotenuse is equal to the sum of the squares of the other two sides.”

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

9

So, to find the unknown side of a right-angled triangle



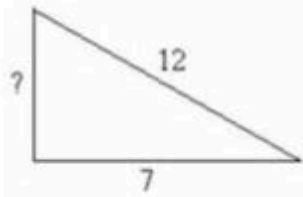
We know  $a^2 + b^2 = c^2$ , so  $5^2 + b^2 = 9^2$

$$25 + b^2 = 81$$

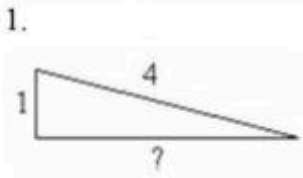
$$b^2 = 56$$

$$b = 7.5 \text{ (1dp)}$$

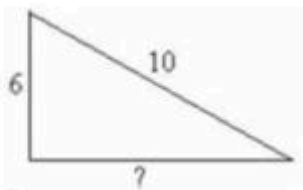
Find the unknown side of these triangles yourself:



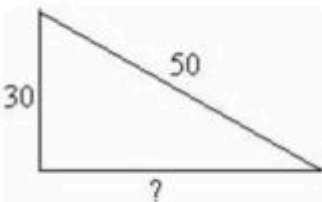
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