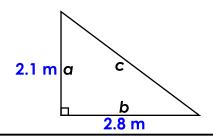
Name: _____

Pythagorean Theorem

The Pythagorean Theorem can be used to find the length of a side of a right triangle if the lengths of the other two sides are known. The formula to find the length of any side of a right triangle is $a^2 + b^2 = c^2$. The **hypotenuse** is side c.

example:



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

 $2.1^{2} + 2.8^{2} = c^{2}$
 $4.41 + 7.84 = c^{2}$
 $12.25 = c^{2}$
 $3.5 \text{ m} = c$

Find the length of each hypotenuse. Use a calculator to solve and round to the nearest tenth.



Preview

Please log in to download the printable version of this worksheet.

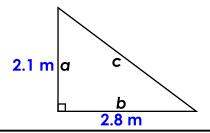
Tell whether each set of lengths forms a right triangle. Write **RIGHT TRIANGLE** if it is, or **NO** if it is not.

ANSWER KEY

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