

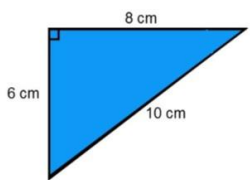


GCSE Maths Takeaway 70 - Pythagoras' Theorem

Name:

Date:

Which of the following statements is true for this triangle?



A $10^2 = 8^2 - 6^2$

B $10^2 = 8^2 + 6^2$

C $8^2 = 10^2 + 6^2$

D $10^2 = 6^2 - 8^2$

Correct Answer: A B C D

Explanation:

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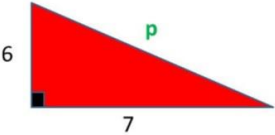
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Which of these would correctly work out the missing length?

A $p = 7 + 6$ **B** $p = 7^2 + 6^2$

C $p = \sqrt{7^2 - 6^2}$ **D** $p = \sqrt{7^2 + 6^2}$

Correct Answer: A B C D

Explanation:

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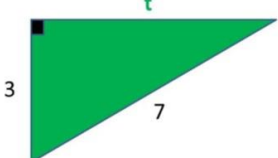
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Which of these would correctly work out the missing length?

A $t = \sqrt{7^2 - 3^2}$ **B** $t = \sqrt{7^2 + 3^2}$

C $t = 7^2 - 3^2$ **D** $t = \sqrt{3^2 - 7^2}$

Correct Answer: A B C D

Explanation:

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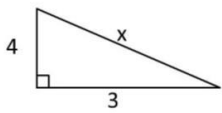
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Find the length of x



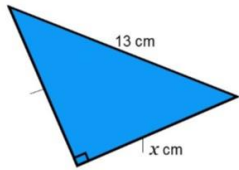
a) 25 c) 7
b) 2.6 d) 5

Correct Answer: A B C D

Explanation:

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Which of the following statements is true for this triangle?



A $2x^2 = 169$
B $2x = 169$
C $x = \sqrt{169}$
D $2x = 26$

Correct Answer: A B C D

Explanation:

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