

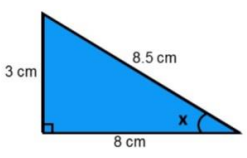


# New Maths GCSE: G20 - Trigonometry and Pythagoras Statements

Name: .....

Date: .....

Which of the following statements is true for this triangle?



A  $\sin x = \frac{3}{8}$

B  $\tan x = \frac{3}{8}$

C  $\cos x = \frac{3}{8}$

D  $\sin x = \frac{8}{3}$

Correct Answer: A B C D

Explanation:

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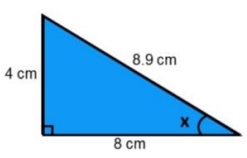
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Which of the following statements is true for this triangle?



A  $\sin x = \frac{8}{8.9}$

B  $\tan x = \frac{8}{8.9}$

C  $\cos x = \frac{8}{8.9}$

D  $\cos x = \frac{8.9}{8}$

Correct Answer: A B C D

Explanation:

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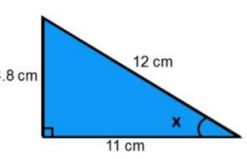
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Which of the following statements is true for this triangle?



A  $\sin x = \frac{12}{4.8}$

B  $\tan x = \frac{11}{12}$

C  $\sin x = \frac{4.8}{12}$

D  $\cos x = \frac{12}{11}$

Correct Answer: A B C D

Explanation:

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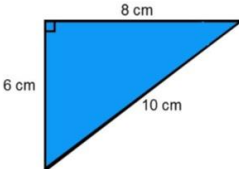
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Which of the following statements is true for this triangle?



**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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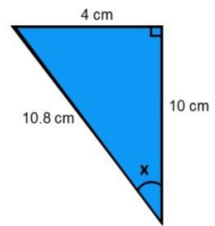
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Which of the following statements is true for this triangle?



**A**  $\tan x = 0.4$   
**B**  $\cos x = 2.5$   
**C**  $\sin x = 0.4$   
**D**  $\tan x = 2.5$

Correct Answer: A B C D

Explanation:

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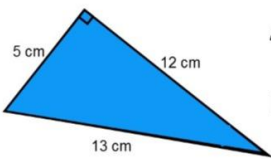
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Which of the following statements is true for this triangle?



**A**  $12^2 = 13^2 - 5^2$   
**B**  $13^2 = 12^2 - 5^2$   
**C**  $5^2 = 12^2 - 13^2$   
**D**  $12^2 = 13^2 + 5^2$

Correct Answer: A B C D

Explanation:

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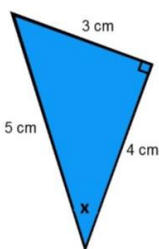
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Which of the following statements is true for this triangle?



**A**  $\tan x = 0.8$   
**B**  $\cos x = 0.8$   
**C**  $\sin x = 0.8$   
**D**  $\tan x = 3.4$

Correct Answer: A B C D

Explanation:

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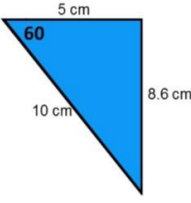
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Which of the following statements is true for this triangle?



A  $\tan 60^\circ = 0.5$

B  $\cos 60^\circ = 0.5$

C  $\sin 60^\circ = 0.5$

D  $\cos 60^\circ = 2$

Correct Answer: A B C D

Explanation:

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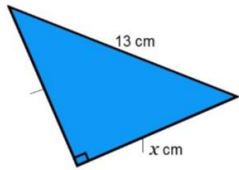
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Which of the following statements is true for this triangle?



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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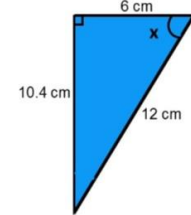
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Which of the following statements is true for this triangle?



A  $x = \tan^{-1}0.5$

B  $x = \sin^{-1}0.5$

C  $x = \cos^{-1}0.5$

D  $x = \cos^{-1}2$

Correct Answer: A B C D

Explanation:

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