



GCSE Maths Takeaway 89 - Trigonometry

Name:

Date:

A right-angled triangle with a right angle at the top. The angle at the bottom left is 70° . The horizontal base is labeled 16.6 cm . The hypotenuse is labeled y .

A sin
B cos
C tan
D Pythagoras

Correct Answer: A B C D

Explanation:

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A right-angled triangle with a right angle at the bottom left. The angle at the top is 36.2° . The vertical side is labeled 21 cm . The hypotenuse is labeled y .

A sin
B cos
C tan
D Pythagoras

Correct Answer: A B C D

Explanation:

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Which of the following statements is true for this triangle?

A right-angled triangle with a right angle at the bottom left. The vertical side is 3 cm , the horizontal base is 8 cm , and the hypotenuse is 8.5 cm . The angle at the bottom right is labeled x .

A $\sin x = \frac{3}{8}$
B $\tan x = \frac{3}{8}$
C $\cos x = \frac{3}{8}$
D $\sin x = \frac{8}{3}$

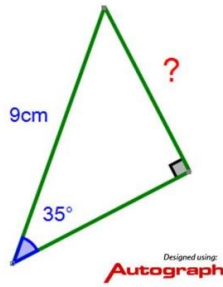
Correct Answer: A B C D

Explanation:

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What is the correct calculation to find the missing side?

- a) $\sin(35 \times 9)$
- b) $\sin(35) \times 9$
- c) $9 \div \sin(35)$
- d) $\sin^{-1}(35) \times 9$



Correct Answer: A B C D

Explanation:

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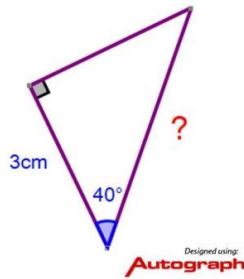
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What is the correct calculation to find the missing side?

- a) $3 \div \sin(40)$
- b) $3 \div \cos(40)$
- c) $\cos(40) \div 3$
- d) $\cos^{-1}(3 \div 40)$



Correct Answer: A B C D

Explanation:

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