

New Maths GCSE : G20 - Trigonometry or Pythagoras?



Name:.....

Date:.....

A sin
 B cos
 C tan
 D Pythagoras

Correct Answer: A B C D

Explanation:

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A sin
 B cos
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Correct Answer: A B C D

Explanation:

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A sin
 B cos
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Correct Answer: A B C D

Explanation:

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A right-angled triangle with a right angle at the bottom-left vertex. The top angle is labeled 36.2° . The bottom horizontal side is labeled 21 cm . The right-hand side 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 top-right vertex. The top horizontal side is labeled 4 cm . The right vertical side is labeled 8 cm . The hypotenuse is labeled x .

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 top-left vertex. The top horizontal side is labeled 8 cm . The left vertical side is labeled x . The hypotenuse is labeled 12 cm .

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-right vertex. The bottom horizontal side is labeled 2 . The right vertical side is labeled 2 . The hypotenuse is labeled b .

A **sin**
 B **cos**
 C **tan**
 D *Pythagoras*

Correct Answer: A B C D

Explanation:

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3.4 cm

5.2 cm

x

A **sin**

B **cos**

C **tan**

D *Pythagoras*

Correct Answer: A B C D

Explanation:

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What is $\sin \alpha$?

α

c

b

a

β

A $\frac{b}{a}$

B $\frac{a}{b}$

C $\frac{c}{b}$

D $\frac{a}{c}$

Correct Answer: A B C D

Explanation:

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What is $\tan \alpha$?

α

c

b

a

β

A $\frac{c}{a}$

B $\frac{a}{c}$

C $\frac{c}{b}$

D $\frac{b}{a}$

Correct Answer: A B C D

Explanation:

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What is $\frac{c}{a}$?

α

c

b

a

β

A $\tan \beta$

B $\cos \alpha$

C $\sin \beta$

D $\tan \alpha$

Correct Answer: A B C D

Explanation:

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